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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

LIST OF INTERCEPTED PLANT PESTS, 1949[1]

(List of Pests Recorded During the Period July 1, 1948, to June 30, 1949, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

INTRODUCTION

This report, covering the thirty-sixth year for which interception lists have been issued, summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments between Hawaii and Puerto Rico and the mainland.

In some cases collections made late in the year are included in the report for the following year, since determination cannot be obtained immediately for all of them. Occasionally determinations are delayed for longer periods. The data for this list are obtained from routine reports by personnel of this Bureau, supplemented by information supplied by State and Customs officials. The States of California and Florida maintain staffs of specialists who identify a large proportion of the material collected at their ports. Specialists of the Bureau of Plant Industry, Soils, and Agricultural Engineering determine many of the difficult or unusual pathogens collected at the ports.

All scientific names are reviewed by appropriate specialists in the Department to assure conformance to the international rules of nomenclature.

While every reasonable effort is made to give the correct origin for all collections listed, the alleged origin of host plant materials cannot be verified in all cases, and where there is reason to doubt the accuracy of the information, the questionable items are either omitted or the origin is listed as unknown.

The year covered by this list has seen a lessening of importations of certain types of plant materials, but an increase in others. Air transportation of many perishable plant shipments served to bring plants and their pests to us with a promptness that assured the survival of both. Continual vigilance is necessary to combat such threats to the nation's plant life, and those responsible for the movement of aircraft have continued to assist in carrying out plant quarantine regulations intended to reduce to a minimum the movement of potentially dangerous plant materials.

[1]Compiled by W. H. Wheeler, pathologist, Judith Hunt, plant quarantine aid, and P. X. Peltier, entomologist, Division of Foreign Plant Quarantines.

INTERCEPTIONS FROM AIR-BORNE MATERIAL

Air-borne plant material arrives in mail, baggage, express, stores, and freight, and interceptions of plant pests on such importations have been frequent. During the year 4,312 interceptions were made of insects arriving by air with agricultural material or as stowaways. There were 342 interceptions of plant diseases. Approximately one-third of the plant-disease organisms were not determinable to species but, from the evidence, appeared to represent little or no risk to this country. A few of the disease organisms specifically identified but not known to be in the United States are, however, reported to be parasites of their hosts in foreign countries. Some of the most important insects intercepted during the year were from host fruits and plants arriving by plane—a pattern to be expected in the coming years.

Among the more important insects found in air-borne material were: The whitefly *Aleurothrixus myrtacei* (?) on myrtle in cargo from Brazil; *Anastrepha fraterculus* in mango in baggage from the Dominican Republic, Mexico, and Salvador, and *A. fraterculus* (?) in cherimoya in baggage from Chile and in orange in baggage from Peru; the Mexican fruit fly (*A. ludens*) in *Annona* sp. in baggage from Guatemala, in grapefruit in baggage from Mexico, in mamey in baggage from Guatemala, in mango in baggage from Guatemala and Mexico, in orange in baggage from Costa Rica and Mexico and express from Guatemala, and in pomegranate in baggage from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in mango in baggage from Bermuda, the Dominican Republic, Jamaica, Panama, Puerto Rico, and Salvador, in mango in mail from Puerto Rico, and in mango in quarters from Mexico, in guava in baggage from Puerto Rico and Salvador and in guava in mail from Puerto Rico, in yellow mombin in baggage from Puerto Rico, Salvador, and Trinidad, in yellow mombin in quarters from Mexico, in *Spondias* sp. in baggage from Salvador, and in yellow mombin in mail from Puerto Rico; *A. serpentina* in orange in stores from Trinidad, in sapodilla in baggage from Guatemala and Venezuela, in sapote in baggage from Guatemala and Panama, and *A. serpentina* (?) in sapodilla in baggage from the Netherlands West Indies; *A. suspensa* in guava in baggage from Puerto Rico; *Caryedon fuscus* in *Cassia javanica* in baggage from Hawaii; the Mediterranean fruit fly (*Ceratitis capitata*) in apricot in baggage from the Cape Verde Islands, in apricot in stores from France, in fig in baggage from the Azores and Italy, in guava in baggage from Palestine, in mango in baggage from Brazil, in medlar in baggage from Italy, in orange in baggage from the Azores, Italy, Portugal, and Spain, in orange in stores from the Azores, Portugal, and Spain, in peach in baggage from France, Italy, Lebanon, Portugal, and Spain, and in peach in stores from France, Portugal (?), and Spain, in pear in baggage from Spain and in pear in stores from Portugal, in persimmon in baggage from Italy, in tangerine in baggage from Portugal and in tangerine in stores from Portugal and Spain, and *C. capitata* (?) in apricot in baggage from Syria, in guava in baggage from the Madeira Islands, and in orange in baggage from the Union of South Africa; *Coccotrypes dactyliperda* in date pits used as food for monkeys in stores from India; *Cylas formicarius* var. in sweetpotato in cargo from Siam and in sweetpotato in stores from India; adults of the oriental fruit fly (*Dacus dorsalis*) were intercepted 31 times in preflight inspection of airplanes leaving Hawaii for the mainland; preflight interceptions of immature stages of *D. dorsalis* included one in coffee berry, one in ginger flowers made into a lei, and one in papaya in baggage from Hawaii; *D. ochrosiae* (?) in seed of *Ochrosia* sp. in baggage from Guam; the olive fruit fly (*D. oleae*) in olive in baggage from Italy and Lebanon; *Epicaerus cognatus* in wild potato in mail from Mexico; the citrus whitefly (*Dialeurodes citri*) on leaf of gardenia in freight from China; the oriental fruit moth (*Grapholitha molesta*) in peach in stores from France; *Kalotermes bequaerti* in *Juniperus* sp. and pine crates in cargo from Bermuda; the East Indian bean pod borer (*Maruca testulalis*) in flower lei made of *Canavalia* sp. in baggage from Hawaii, in lima bean in baggage from Puerto Rico, in pigeonpea and string bean in baggage and mail from Puerto Rico; the pink bollworm (*Pectinophora gossypiella*) in cottonseed in baggage from India and the Virgin Islands, and in cottonseed in cargo from Brazil and Pakistan, in cotton samples (grabbots) in cargo from Brazil, in okra in baggage from Puerto Rico and in okra in mail from the American Virgin Islands; *Polychrosis botrana* in grape in baggage from Italy and in grape in stores from France; *Rhagoletis alternata* in rose hips in baggage from Sweden; *R. cerasi* in cherry in baggage from Germany and Italy, in cherry in stores from Italy and in cherry in quarters from France, and *R. cerasi* (?) in cherry in stores from France and in cherry in quarters from Portugal; *Sesamia cretica* in broomcorn in cargo from France.

The more important plant disease organisms found on air-borne material, not believed to be established in the United States, were *Alternaria gypsophilae* on gypsophila in baggage from Brazil, *Elsinoe australis* on sweet orange in stores from Brazil, *E. phaseoli* on lima bean in cargo from Puerto Rico, *E. piri* on apple in baggage from Poland, *Heterodera goettingiana* with soil about roots of strawberry plants in mail

from Denmark, *H. punctata* with soil about orchid roots in express from England, *H. rostochiensis* with soil about roots of miscellaneous plants in baggage from Germany, *Monilinia fructigena* on apple in stores from the Netherlands, *Phoma citricarpa* on sweet orange in stores from Australia and Canton Island, on mandarin orange in baggage and quarters from China, and on unidentified citrus fruit in baggage from China; *Phyllosticta saccardoi* on rhododendron in air express from England, *Septoria posekensis* on orchids in cargo from Brazil and Mexico, *Uredo anthurii* on anthurium in express from Guatemala, *U. autumnalis* on chrysanthemum in express from Japan, and *Xanthomonas citri* on sweet orange in baggage from China, and on grapefruit lemon, and sour lime in stores from India.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

Anastrepha fraterculus was intercepted in grapefruit and orange from Brazil and in mango from the Dominican Republic, Mexico, Salvador, and Trinidad, and *A. fraterculus* (?) in cherimoya from Chile, in orange from Brazil and Peru, and in grape from Argentina. The Mexican fruit fly (*A. ludens*) was taken in *Annona* sp., orange, mamey, and mango from Guatemala, in apple, avocado, grapefruit, mango, orange, peach, pear, pomegranate, quince, sapote, sour orange, sweet lime, and tangerine from Mexico, in orange from Costa Rica, and in mango from Honduras. The West Indian fruit fly (*A. mombinpraeoptans*) was intercepted in mango from Bermuda, Costa Rica, the Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Panama, Puerto Rico, and Salvador, in guava from Cuba, Puerto Rico, and Salvador, in yellow mombin from Guatemala, Mexico, Puerto Rico, Salvador, and Trinidad, in *Spondias* sp. from Guatemala, Puerto Rico, and Salvador, and *A. mombinpraeoptans* (?) in mango from Panama and Trinidad. *A. serpentina* was found in sapodilla from Guatemala and Venezuela, in sapote from Guatemala, in mamey and star-apple from Mexico, in grapefruit and orange from Trinidad, and in sapote from Panama, and *A. serpentina* (?) in sapodilla from the Netherlands West Indies. *A. suspensa* was intercepted in guava from Cuba and Puerto Rico and in orange from Puerto Rico. The Mediterranean fruit fly (*Ceratitis capitata*) was taken in apple from the Azores, Italy, and Spain, in apricot from the Cape Verde Islands and France, in coffee from Brazil and Hawaii, in fig and loquat from the Azores and Italy, in grape from Argentina, the Madeira Islands, and Portugal, in grapefruit from Cyprus, Egypt, Hawaii, Italy, Morocco, the Union of South Africa, and Uruguay, in guava from Palestine, in mango from Brazil, in medlar, persimmon, pomegranate, pricklypear, and quince from Italy, in orange from Algeria, Azores, Brazil, Cyprus, Egypt, Italy, Portugal, Spain, and the Union of South Africa, in papaya and tomato from Hawaii, in peach from Algeria, France, Italy, Lebanon, Morocco, Portugal, and Spain, in pear from Italy, Portugal, and Spain, in plum from Greece, in purple granadilla from the Azores, in tangerine from Italy, Portugal, and Spain, and with contraband containing oranges and *Citrus* sp. from Lebanon, and *C. capitata* (?) in apricot from Syria, in grape from Argentina, in grapefruit from Cyprus (?) and Morocco, in guava from the Madeira Islands, in lemon from Italy, in orange from Brazil and the Union of South Africa, in peach from Italy and Morocco, in pear from France, and in plum from Portugal. The melon fly (*Dacus cucurbitae*) was taken in cucumber from Hawaii and the Straits Settlements and in squash and tomato from Hawaii, and *D. cucurbitae* (?) in cucumber, squash, string bean, and tomato from Hawaii. The oriental fruit fly (*D. dorsalis*) was found in an airplane, avocado, banana, small green coconut, coffee, *Garcinia rubra*, ginger, guava, Japanese persimmon, lychee, papaya, soda-apple nightshade, tropical almond, and vi-apple from Hawaii and in mango from Hawaii and India, and *D. dorsalis* (?) in small green coconut, fig, and tomato from Hawaii and in *Ochrosia* sp. from Guam. The olive fruit fly (*D. oleae*) was intercepted in olive from the Azores, Italy, Lebanon, and Portugal. The celery fly (*Euleia heraclei*) was taken in celery from England. *Rhagoletis alternata* was found in rose hips from Sweden and *R. alternata* (?) in rose hips from Austria and Sweden. *R. cerasi* was intercepted in cherry from France, Germany, Italy, and Portugal and *R. cerasi* (?) in cherry from France, Italy, Portugal, and Spain. *R. juglandis* (?) was taken in walnut from Mexico. The apple maggot (*R. pomonella*) was found in apple and red haw from Mexico. *R. striatella* was intercepted in husk tomato from Mexico.

INSECTS OTHER THAN FRUIT FLIES

A bruchid, *Acanthoscelides griseolus*, a potential pest of sesbania, was taken in *Sesbania macrocarpa* and *Sesbania* sp. from Mexico. The ground-nut stem girdler (*Alcidodes dentipes*) was found in sweetpotatoes used as food for monkeys coming from West Africa. *Aeolothrips brevicornis* (Aeolothripidae) was intercepted on *Erica* sp. from the Union of South Africa. The citrus blackfly (*Aleurocanthus woglumi*) was

taken on leaves of *Citrus* sp., orange, and sour lime from Mexico. A curculionid, *Baris coerulescens*, was found in radish from France. *Bruchidius incarnatus* (Bruchidae), a considerable pest in Egypt, was found in broadbeans from Egypt and Lebanon. A bruchid, *Bruchus tristiculus*, not yet found breeding in this country, was intercepted in vetch from Italy. The Asiatic rice borer (*Chilo* simplex) was found in rice from China and Japan, and *C. simplex* (?) was found in *Leersia* sp. from Japan. A pentatomid, *Coptosoma cribraria*, a pest of beans in the Orient, was intercepted on the stem of a camellia from China. The banana root borer (*Cosmopolites sordidus*) was taken in banana root from Honduras. *Cylas femoralis* (Curculionidae) was taken in sweetpotato from West Africa; *C. formicarius* in sweetpotato from India; *C. formicarius* var. in sweetpotato from the Fiji Islands, Hawaii, India, Iraq, and Siam; and *C. puncticollis* in sweetpotato from Mozambique, Sierra Leone, and West Africa. The Tahitian coconut weevil (*Diocalandra taitensis*) was found in coconut from Hawaii. *Epicaerus cognatus* (Curculionidae) was taken in potato and *Solanum* sp. (wild potato) from Mexico. A chrysomelid, *Gastrophysa viridula*, believed not yet established in America, was found in soil with potatoes from England. *Gymnandrosoma aurantianum* (Olethreutidae) was found in orange from Brazil. *Leucocera sexpunctatus* (Chrysomelidae) was taken on orchid leaf from Cuba; little is known of this Antillian genus. The pink bollworm (*Pectinophora gossypiella*) was taken in cottonseed from Brazil, Egypt, Hawaii, India, Italy, Jamaica, Mexico, Pakistan, and the Philippines, in seed cotton from Haiti and Mexico, in cotton boll from the Virgin Islands, cotton (grabbots) from Brazil, and in okra from the American Virgin Islands, Brazil, and Puerto Rico, *Pheidole megacephala* (Formicidae), an important economic species, was found on eggplant and pineapple from Cuba. An olethreutid, *Polychrosis botrana*, was taken in grapes from France and Italy. Two curculionids, *Premnotrypes fractirostris* and *P. solani*, were found in potatoes from Peru. *Sesamia cretica* (Phalaenidae) was intercepted in the stem of broomcorn from France. A curculionid, *Sitona humeralis*, not known to be established in North America, was intercepted with garlic, grapes, lily bulbs, and rose stock from Italy. The coffee berry borer (*Stephanoderes hampei*) was taken in coffee berries from Brazil in transit to Canada.

SNAILS

The giant African snail (*Achatina fulica*) was found on salvaged military equipment which was being returned from Guam, the Philippines, Saipan, and Tinian Island. Living snail eggs were taken from an empty coconut husk attached to the military equipment, while 12 interceptions of living snails and one of dead snails were made on military equipment. One interception was made at New York, N. Y., on material from Saipan, 6 at San Francisco, Calif., from Guam, Saipan, and Tinian Island, and 6 at San Pedro, Calif., from the Philippines and Saipan.

Among other interceptions of snails, not known to occur on the mainland of the United States and injurious to agriculture, was a species of *Lamellaxis* which was taken at Nogales, Ariz., in soil with plants from Mexico, and at San Juan, Puerto Rico in soil arriving by airplane from the Dominican Republic.

NOTES ON DISEASES INTERCEPTED

Changing conditions for the year under consideration placed China in first place as the country contributing the largest number of interceptions (11) of citrus canker (*Xanthomonas citri*), and India, which held that position for three years, dropped to second place with 9. Japan followed in third place with 4 interceptions. Fruits infected were grapefruit, lemon, Mandarin orange, pummelo, sour lime, and sweet orange. A second disease of concern to citrus production in this country, the sweet orange scab (*Elsinoe australis*), was taken 22 times on lemon from Argentina and Brazil, 22 times on sweet orange from Argentina, Brazil, and Uruguay, twice on sour lime from Brazil, and once on tangerine from Argentina. "Cancrosis B", still another serious disease of citrus in South America, was found on six different occasions on lemons from Argentina. *Coleosporium senecionis*, a rust fungus of possible importance, was intercepted on two large importations of Scotch pine seedlings and one of Swiss mountain pine seedlings. The three importations were from Denmark and were intended for reforestation work in this country. This rust has been reported to do considerable damage to pines in some parts of the world, but is not believed to be established in North America. With this report comes the first records of the interception of the golden nematode (*Heterodera rostochiensis*), a serious pest of potatoes and tomatoes in Europe, known in this country only from Long Island, New York, where efforts are being made to prevent its spread. Analysis during the year of various lots of prohibited foreign soils yielded 11 interceptions of this dangerous pest. *Neovossia indica*, a smut fungus of potential importance to the wheat production of this country, arrived by mail on two occasions from India where it causes as much as 20 percent damage in the hot lowlands. This disease is commonly known as "Karnal bunt".

Other diseases worthy of note were a leaf fungus, *Ascochyta haworthiae*, of haworthias from the Union of South Africa; camellia yellow-spot virus of that host from France; the banana leaf spot (*Cercospora musae*) from various countries where it is known; a rust fungus, *Coleosporium domingense*, on plumeria from Venezuela; a fungus, *Curvularia lunata*, on pepper from Cuba, and on onion from Mexico and Sweden; a fungus, *Cytospora ceratophora*, on nuts of chestnut from Italy; a stem fungus, *Cytospora dahliae*, on dahlia from France; a twig parasite, *Cytospora punica*, on pomegranate from Mexico; the lima bean scab fungus (*Elsinoe phaseoli*) from Cuba; a rust fungus, *Gymnosporangium haraeanum*, on juniper from Japan; a stem fungus, *Heterosporium ornithogali*, on ornithogalum from the Union of South Africa; a banana leaf fungus, *Leptosphaeria musarum*, from Colombia and Guatemala; a banana fungus, *Macrophoma musae*, on that host from India, Pakistan, and the Philippines; a brown rot fungus, *Monilinia fructigena*, on peach fruit from Portugal; a leaf and stem fungus, *Phaeosphaeria oryzae*, on rice from China and Japan; citrus black spot (*Phoma citricarpa*) from Australia, China, Formosa, Japan, and the Union of South Africa; a twig fungus, *Phomopsis magnoliae*, on magnolia from the Netherlands; a twig and stem fungus, *Phomopsis sorbicola*, on European mountain-ash from the Netherlands; a leaf fungus, *Phyllachora engleri*, on anthurium from Guatemala; a camellia leaf spot fungus, *Phyllosticta camelliae* from England; a rust fungus, *Prospodium appendiculatum*, on the Florida yellow-trumpet from Mexico; a rust fungus, *Puccinia cichorii*, on chicory from Belgium; a leaf and glume fungus, *Pyrenochaeta oryzae*, on rice from India; a twig fungus, *Sclerotinia kerneri*, on fir from Greece; a bulb-rotting fungus, *Sclerotium delphinii*, on Morocco iris from France; a leaf-spot fungus, *Septoria bambusella*, on bamboo from China; a leaf-spot fungus, *Septoria castanicola*, on chestnut from Italy; a leaf-spot fungus, *Septoria cyclaminis*, on cyclamen from Italy and Switzerland; a leaf blotch fungus, *Septoria posekensis*, on various orchids from Brazil, India, and Mexico; a stem fungus, *Stagonospora graminella*, on wheat from India; a rust fungus, *Thecopsora areolata*, on cherry leaves from Finland; a leaf rust, *Uromyces coronatus*, of wildrice and rice from Japan; a smut fungus, *Ustilago esculenta*, of Asiatic wildrice from Japan; and the hyacinth yellows disease (*Xanthomonas hyacinthi*) in hyacinth bulbs from the Netherlands.

Nematodes of interest for the year were *Aphelenchus aderholdi* in lily-of-the-valley pips from Denmark and Germany; *A. avenae* in aster from Germany; *Ditylenchus* sp., apparently *destructor*, in peanut seed from Uruguay; *D. dipsaci* in garlic from Mexico; *Ditylenchus* sp. in colchicum, iris, and narcissus from the Netherlands; *Heterodera goettingiana* in soil with camellias from the Azores and strawberry roots from Denmark; *H. punctata* with soil about orchid roots from England, and *Tylenchus putrefaciens* in garlic from Mexico.

Of the 1,132 species of pathogens or other organisms listed in the table, 77 were new to the interception files. Interceptions of the other 1,055 pathogens showed 128 new countries of origin and 109 new hosts.

INCOMPLETELY DETERMINED PESTS

Frequently inspectors find insects or pathogens affecting plant material in such a stage or condition that complete and accurate determination is impracticable or impossible. Some of these insects and pathogens are without doubt new to science, and may be destructive pests. The notes below are given to show the general nature of such incompletely determined interceptions.

INSECTS

Among the incompletely determined insects were the following fruit flies: *Anastrepha* sp., probably *fraterculus*, at New York, N. Y., in fig in baggage and in grapefruit in stores from Argentina, and at Eagle Pass, Tex., in mango in baggage from Mexico; *Anastrepha* sp., probably *ludens*, at Laredo, Tex., in orange in baggage from Mexico; *Anastrepha* sp., probably *mombinpraeoptans*, at El Paso, Tex., Hidalgo, Tex., and Laredo, Tex., in mango in baggage from Mexico, at El Paso, Tex., in mango in baggage from Salvador, at New Orleans, La., in mango in baggage and in mango in ship's garbage from Guatemala, at New York, N. Y., in mango in baggage from Puerto Rico and Venezuela and in quarters from Puerto Rico, and at Port Arthur, Tex., in mango in stores from Panama, at Laredo, Tex., in guava in baggage from Mexico, at New York, N. Y., in yellow mombin in baggage from Venezuela; *Anastrepha* sp., probably *serpentina*, at Laredo, Tex., in sapote in baggage from Mexico, at New Orleans, La., in apple in quarters, origin unknown, at San Pedro, Calif., in cherimoya in cargo from Ecuador; *Anastrepha* sp., probably *striata* Schiner, at New York, N. Y., in guava in baggage from Trinidad; *Anastrepha* sp., probably *suspensa*, at Miami, Fla., in guava in baggage from Puerto Rico; *Anastrepha* sp. at the National Airport, Arlington, Va., in cherimoya in baggage from Peru, at Baltimore, Md., in grapefruit in stores from Trinidad, in guava in baggage from Puerto Rico, and in orange in stores

from Brazil, at Boston, Mass., in guava in baggage from Puerto Rico, at Brownsville Tex., in mango and orange in baggage from Mexico, at El Paso, Tex., in jobo plum, mamey, and mango in baggage from Mexico, at Galveston, Tex., in orange in stores from Brazil, at Hidalgo, Tex., in mango in baggage from Mexico, at Hoboken, N. J., in *Couma macrocarpa* in express from Brazil, at Jacksonville, Fla., in orange in baggage from Cuba, at Laredo, Tex., in orange and peach in baggage from Mexico, at Miami, Fla., in guava in baggage from Puerto Rico, in hog plum in baggage from Guatemala and Puerto Rico, in mango in baggage from Colombia, Haiti, and Puerto Rico, at New Orleans, La., in mango in baggage from Guatemala, at Newport News, Va., in grapefruit in stores from British Honduras, at New York, N. Y., in guava in baggage, mail, and quarters from Puerto Rico, in mango in stores from Ecuador and Honduras, in mango in baggage and cargo from the Dominican Republic, in *Passiflora* sp. in baggage from Trinidad, and in sapodilla in stores from Peru, at Port Arthur, Tex., in grapefruit in stores from Argentina, at San Juan, P. R., with a bag of oranges in stores from South America, in rose-apple in baggage from British Guiana, and in sapodilla in baggage from the Dominican Republic, at San Ysidro, Calif., in mango in baggage, probable origin La Paz, Baja Calif., and at Tampa, Fla., in mango in pilot's lunch box on an airplane from Panama; probably *Ceratitis* sp. at New York, N. Y., in grapefruit in stores from the Union of South Africa; *Dacus* sp. at Boston, Mass., in melon in stores from southwest Arabia; probably *Dacus* sp. (not *cucurbitae*) at Baltimore, Md., in squash in stores from the Union of South Africa; probably *Dacus* sp. at Galveston, Tex., in vegetable marrow in stores from French West Africa; *Rhagoletis* sp., probably *completa* Cress., at Hidalgo, Tex., and Laredo, Tex., in black walnut in baggage from Mexico; *Rhagoletis* sp. at El Paso, Tex., in *Lycium berlandieri* in baggage from Mexico, at Laredo, Tex., in red haw and walnut in baggage from Mexico. Two species of *Anastrepha* (adults) were found in the light socket in the hold of a ship carrying banana cargo. Fifteen interceptions which could not be identified beyond family (Tephritidae) were taken at Anchorage, Alaska in an airplane from the Orient, at Boston, Mass., in tangerine in stores from India, at the National Airport, Arlington, Va., in *Eugenia* sp. in garbage (evidently discarded by a passenger) from Siam, at El Paso, Tex., in squash in cargo from Mexico, at New Orleans, La., in grape in cargo from Argentina, at New York, N. Y., in *Eugenia* sp. in baggage from Puerto Rico, in grape in cargo from Argentina, in squash in stores from the Union of South Africa, and in a paper bag with peppers (none in peppers) from Liberia, at Philadelphia, Pa., in orange in stores from Brazil, at San Juan, P. R., on banana in stores from Brazil.

The following miscellaneous insects of special interest were intercepted: *Abutiloneus* sp., near *idoneus* Bridwell (Bruchidae) at New York, N. Y., in *Abutilon* sp. seed in cargo from Mexico; *Acanthoscelides* sp., probably *ceratioborus* (Philippi) at St. Paul, Minn., in carob bean in mail from Peru; *Aleurotrachelus* sp. (Aleyrodidae), apparently undescribed, at El Paso, Tex., on *Litsea glaucescens* in mail from Mexico, at San Francisco, Calif., on *Odontoglossum schlieperianum* in air freight from Costa Rica, and on Palmaceae in air express from Guatemala; Aleyrodidae (undescribed genus and species), near *Aleurodicus*, at Brownsville, Tex., on *Laelia majalis* in cargo from Mexico; *Altica* sp., near *rufa* (Ill.) (Chrysomelidae), apparently undescribed, at Brownsville, Tex., with tomatoes in cargo from Mexico; *Anomalococcus* sp. (Coccidae), an undescribed species, at San Francisco, Calif., on *orchid* in cargo from Siam; *Anthonomus* sp., probably *varipes* Duval, (Curculionidae) at New York, N. Y., in eggplant in cargo from Cuba; *Asterolecanium* sp. (Coccidae), undescribed, at San Diego, Calif., on bamboo stalk in cargo from the Canal Zone; *Bemisia* sp. (Aleyrodidae) on plants on tractor returning from Saipan; *Caryobruchus* (new) sp. (Bruchidae) at Laredo, Tex., in palm seed in baggage from Mexico; a scolytid, *Chramesus* sp., evidently undescribed, at Brownsville, Tex., in wood in cargo from Mexico; a curculionid, *Polydrusus* sp., or *Barypeithes* sp. at Hoboken, N. J., in soil around astilbe roots in cargo from the Netherlands; *Diabrotica* sp., near *curvilinea* Jac., (Chrysomelidae) at Brownsville, Tex., in cabin of airplane from the Canal Zone; *Embolemus* sp., (Embolemidae), rare insects, at Nogales, Ariz., in cabin of airplane carrying tomato cargo from Mexico; *Epicaerus* sp., near *elegantulus* Champ., (Curculionidae) at Brownsville, Tex., on gardenia in quarters of an airplane from Mexico; a lygaeid, *Exptochiomera* sp., probably undescribed, at Laredo, Tex., on an orchid plant in cargo from Mexico; *Glaucothrips* sp. (Thripidae) at Hoboken, N. J., on *Erica* sp. and *Protea* sp. in air express from the Union of South Africa and at New York, N. Y., on *Erica* sp. in cargo from the Union of South Africa; *Gnorimoschema* sp., doubtfully *borsaniella* Koeh., (Gelechiidae) at New York, N. Y., in pepper in stores from Brazil; an olethreutid, *Gymnandrosoma* sp. at Miami, Fla., in guava in baggage from Puerto Rico and at New York, N. Y., in grapefruit in stores from Uruguay; *Heterobostrychus* sp., near *pileatus* Lesne, (Bostrichidae) at New York, N. Y., in wood in cargo from India; Lampyridae, genus unknown and unlike any form in this country, at Brownsville, Tex., with *Miltonia endresii* in cargo from Costa Rica; *Leptodictya* (new) sp. (Tingidae)

at Nogales, Ariz., with orchids and succulent plants in baggage from Mexico; a chrysomelid, *Phyllobrotica* sp. or near, at Blaine, Wash., in lily bulb in cargo from Japan; *Pissodes* sp., probably *notatus* F., (Curculionidae) at New Orleans, La., in packing strips around peat moss in cargo from the Netherlands; *Pityokteines* sp., probably *curvidens* (Germ.), (Scolytidae) at Galveston, Tex., in strips around peat moss in cargo from Germany; *Platylecanium* sp. (Coccidae), undescribed species, at San Francisco, Calif., on *Vanda caeruela* in air freight from Siam; doubtfully *Prays citri* Mill. (Hyponomeutidae) at Detroit, Mich., in orange blossom in baggage from Sicily; *Prays* sp. at Seattle, Wash., in *Citrus* sp. in stores from the Philippines, at Baltimore, Md., in *Citrus sinensis junos* in stores from the Philippines and at Galveston, Tex., in grapefruit in stores from Egypt; *Tarsonemus* sp., a mite, at New York, N. Y., on nectarine in cargo from Chile and at Seattle, Wash., on rhododendron leaf in cargo from England; an aleyrodid, *Tetraleurodes* sp., near *acaciae* (Q.), undescribed, at San Ysidro, Calif., on twig of *Dalea spinosa* in baggage from Mexico; *Tetralica* sp. (Aleyrodidae), apparently undescribed, at Brownsville, Tex., on gardenia in baggage and cargo from Mexico and at Nogales, Ariz., on white sapote foliage in baggage from Mexico; *Xylopertha* sp., probably *crinitarsis* Imh., (Bostrichidae) at Baltimore, Md., in mahogany in cargo from Gold Coast, Africa.

There were 4,798 interceptions distributed among 893 genera, which could be identified to genus only. A total of 115 could be determined to family or subfamily only.

A total of 4,913 incompletely determined insects were intercepted during the year.

DISEASES

Among the incompletely determined plant disease organisms collected from incoming material during the year were *Cercospora* sp. on cordia from Mexico; *Cercospora* sp. on cocoa from Peru; *Cercospora* sp. on avocado from Mexico; *Cercospora* sp. on pea pod from Mexico; *Cytospora* sp. of rhododendron from England; *Cytospora* sp. on yew seed from Japan; *Helminthosporium* sp. on rice from China and Japan; "Leprosis" on sweet orange from Liberia and Mexico; *Monilia* sp. on rice from China; *Phoma* sp. on sweet lime from Italy and on lemon from Argentina, Italy, Turkey, and Uruguay; *Phyllosticta* sp. on spinach from Turkey; *Phyllosticta* sp. on sweet orange leaf from Brazil and on unidentified citrus leaf from Italy; *Phyllosticta* sp. on daphne from England; *Rhabdospora* sp. on rhododendron from England; *Ramularia* sp. on gladiolus corm from the Netherlands; *Septoria* sp. on anthurium from Belgium; *Sporocybe* sp. on rhododendron from England; *Tilletia* sp. on wheat from India; and *Uredo* sp. on leek leaves from England and France.

Nematode interceptions worthy of note were *Aphelenchoides* sp. in peanut seed from Uruguay and in a tomato fruit from Mexico; *Aphelenchus* sp. in onion and garlic from Mexico; *Ditylenchus* sp. from Germany in New England aster roots, from Denmark with lily-of-the-valley pips, and from the Netherlands in colchicum corms, iris bulbs, and tigridia bulbs; *Heterodera* sp. in soil with undetermined plant from France; and *Pratylenchus* sp. with lily-of-the-valley pips from Denmark.

A total of 571 incompletely determined pathogens were recorded during the year.

Geographic summary of interceptions listed in main table and interception totals

Country	Insect	Disease	Country	Insect	Disease
	Number	*Number*		*Number*	*Number*
Africa:			Asia (continued):		
Algeria	9	1	Cyprus	4	1
Cape of Good Hope	1	0	Formosa	2	1
Cape Verde Islands	1	0	India	94	36
Egypt	15	3	Iran	0	1
Kenya	1	2	Iraq	2	1
Liberia	0	1	Israel	1	0
Madeira Islands	6	0	Japan	77	77
Morocco	9	0	Korea	1	1
Mozambique	1	0	Lebanon	10	0
Nigeria	6	0	Orient	0	1
Pretoria	4	0	Pakistan	1	1
Sierra Leone	5	1	Palestine	8	0
Southwest Africa	3	0	Siam	8	2
Transvaal	2	0	Straits Settlements	11	1
Tunisia	2	0	Syria	4	0
Union of South Africa	40	13	Australasia:		
West Africa	3	0	Aitutaki Island	0	1
Asia:			American Samoa	1	0
Afghanistan	10	4	Australia	17	20
China	27	148	Batavia	1	0

Geographic summary of interceptions listed in main table and interception totals —Continued

Country	Insect	Disease
	Number	*Number*
Australasia (continued):		
Bintan Island	1	0
Canton Island	0	1
Ceylon	3	2
Fiji Islands	3	1
Guam	7	2
Hawaii	255	10
New Zealand	3	1
Philippines	45	9
Saipan	5	0
South Pacific	2	0
Tinian Island	2	0
Truk	2	0
Europe:		
Austria	3	0
Azores	14	3
Belgium	89	36
Czechoslovakia	3	1
Denmark	7	11
England	78	36
Europe	1	0
Finland	4	1
France	85	10
Germany	30	14
Greece	10	1
Hungary	5	0
Ireland	12	2
Italy	303	30
Netherlands	113	173
Norway	10	1
Poland	1	1
Portugal	45	12
Rumania	0	3
Scotland	7	0
Spain	27	1
Sweden	34	3
Switzerland	6	2
Turkey	49	7
Wales	1	0
Yugoslavia	3	0
North America:		
Bermuda	8	7
Canada	8	3
British Columbia	2	1
Central America		
British Honduras	1	0
Canal Zone	69	4
Costa Rica	74	40
Guatemala	58	30
Honduras	28	6
Nicaragua	7	2
Panama	23	11
Salvador	21	1
Mexico	1516	203
West Indies	1	0
American Virgin Islands	7	0

Country	Insect	Disease
	Number	*Number*
North America (continued):		
Bahamas	7	0
Barbados	2	1
British West Indies	6	1
Cuba	73	11
Dominican Republic	12	1
Haiti	5	1
Jamaica	26	2
Netherlands West Indies	1	0
Puerto Rico	231	18
St. Kitts	1	0
St. Lucia	0	1
Trinidad	35	2
Virgin Islands	5	0
South America:		
Argentina	22	25
Brazil	100	43
British Guiana	9	1
Chile	16	1
Colombia	37	7
Ecuador	5	2
Netherlands Guiana	5	0
Peru	12	4
South America	0	1
Uruguay	5	2
Venezuela	54	6
Total:		
Africa	108	21
Asia	260	275
Australasia	347	47
Europe	940	348
North America	2,227	344
South America	265	92
Unknown	12	3
Total	4,159	1,130
Total incompletely determined pests, pp.	4,913	571
Total insect interceptions	9,072	
Total disease interceptions		1,701
Grand total		10,773

NOTE.—In addition to the countries named above, interceptions were made from Anglo-Egyptian Sudan, Antigua, Aruba, Belgian Congo, Bolivia, British Somaliland, Canary Islands, Christmas Island, Eniwetok Island, Ethiopia, French West Africa, Gibraltar, Gold Coast, Grenada, Java, Johnston Island, Kwajalein Island, Luxembourg, Manua Island, Mariana Islands, Midway Island, Natal, Nevis, New Guinea, Oceania, Paraguay, Rhodesia, St. Vincent, Trieste, and Wake Island.

List of pests (insects) collected and reported from July 1, 1946, to June 30, 1949, inclusive

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acalypta parva (Fall.) (Tingidae):					
Woods moss	France			1	New Jersey.
Acalypta parvula (Fall.) (Tingidae):					
Woods moss	do			1	Do.
Acanthocinus aedilis (L.) (Cerambycidae):					
Pinus sp. (pine)	Netherlands	3			Alabama, Texas.
Wood	do				Louisiana.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acanthoscelides armitagei (Pic.) (Bruchidae):					
Cajanus cajan (pigeonpea)	Brazil, Canal Zone, Guatemala, Panama, Venezuela.	4		3	District of Columbia, New Jersey, New York.
Acanthoscelides griseolus (Fall) (Bruchidae):					
Sesbania exaltata	Mexico	1			California.
Sesbania sp.	do			1	Arizona.
Acanthoscelides obreptus Bridwell (Bruchidae):					
Vigna sinensis (cowpea)	do			1	District of Columbia.
Acanthoscelides spinipes (Er.) (Bruchidae):					
Legume pod	Italy	1			New York.
Achatina fulica (Fer.) (Mollusca):					
Cocos nucifera (coconut)	Guam	1			California.*
Returned military equipment	Guam, Philippines, Saipan, Tinian Island.	13			California.*, New York.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium cepa (onion)	Italy		1		Texas.
Allium porrum (leek)	France, Netherlands.		4		Pennsylvania
Acroleucus vicinalis Dist. (Lygaeidae):					
Orchid	Mexico			1	Texas.
Acrosticta mexicana Cole (Otitidae):					
Ananas comosus (pineapple)	do	1			Do.
Adelocera longicornis Champ. (Elateridae):					
Orchid	do			1	Do.
Adoretus sinicus Burm. (Scarabaeidae):					
Airplane	Hawaii		1		Hawaii.
Baggage	do		1		Do.
Hibiscus sp.	do	1			Do.
Ipomoea tuberosa (woods rose)	do	1			Do.
Strelitzia reginae (bird-of-paradise-flower)	do	1			Do.
Aeoloides grisescens (Germ.) (Elateridae):					
Beta sp.	Union of South Africa.		1		New York.
Aeolothrips brevicornis Bagn. (Aeolothripidae):					
Erica sp.	do	2			Do.
Aeolus pulchellus Cand. (Elateridae):					
Airplane	Salvador		1		Louisiana.
Agallia quadripunctata (Prov.) (Cicadellidae):					
Phlox subulata (moss phlox)	Canada			1	New Jersey.
Woods moss	do			1	Do.
Agalliopsis novella (Say) (Cicadellidae):					
Woods moss	do			1	Do.
Aglossa cuprealis (Hbn.) (Pyralididae):					
Salix sp. (willow)	Portugal	1			Massachusetts.
Triticum aestivum (wheat)	Azores	1			Do.
Agonosoma trilineata (F.) (Pentatomidae):					
Orchid	Canal Zone			1	Puerto Rico.
Alcidodes dentipes (Oliv.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Sierra Leone, West Africa.	1	1		Massachusetts, New York.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus aurantifolia (sour lime)	Mexico	21	1	1	Arizona, California*, Texas.
Citrus sinensis (orange)	do	1			Texas.
Citrus sp.	do	12			Arizona, Texas.
Aleuroglandulus emmae Russell (Aleyrodidae):					
Orchid	do			1	Texas.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in
		Consumption	Nonentry	Propagation	
Aleuroparadoxus gardeniae Russell (Aleyrodidae):					
Gardenia augusta (gardenia)	do	6			California* Texas.
Aleuroplatus cococolus Q. & B. (Aleyrodidae):					
Palm	do	1			Arizona.
Aleurothrixus myrtacei Bondar (?) (Aleyrodidae):					
Myrtus sp. (myrtle)	Brazil			1	Florida.
Aleurotrachelus camelliae (Kuw.) (Aleyrodidae):					
Camellia japonica (camellia)	Japan			1	Do.
Aleurotrachelus trachoides (Back) (Aleyrodidae):					
Annona squamosa (sugar-apple)	Cuba	1			Do.
Algarobius ceratioborus (Philippi) (Bruchidae):					
Acacia farnesiana (cascalote)	Salvador	1			Louisiana.
Caesalpinia brevifolia	Chile	2			New York.
Cordia trichotoma	Argentina			1	District of Columbia.
Prosopis algarobilla	do			1	Do.
Prosopis nigra	do			1	Oregon.
Algarobius prosopis (Lec.) (Bruchidae):					
Prosopis pubescens (screwbean)	Mexico	1			Texas.
Prosopis sp.	Hawaii, Mexico	2			Arizona, Hawaii.
Allantus cinctus (L.) (Tenthredinidae):					
Kerria sp.	Netherlands			1	New Jersey.
Magnolia soulangeana (saucer magnolia)	do			1	Do.
Magnolia sp.	do			1	Do.
Weigela sp.	do			1	Do.
Alpheias conspirata Hein. (Galleriidae):					
Ananas comosus (pineapple)	Mexico	56			Texas.
Amorbia emigratella Busck (Tortricidae):					
Cut flowers	do	1			Do.
Gardenia augusta (gardenia)	do	1			Do.
Zingiber sp.	Hawaii	1			California.
Amphicerus cornutus (Pallas) Bostrichidae):					
Orchid	Mexico			1	Texas.
Wood	India, Mexico	4			Missouri, New York, Washington.
Ananca hottentota Fairm. (Oedemeridae):					
Protea sp.	Union of South Africa	1			New York.
Anastrepha fraterculus (Wied.), (Tephritidae):					
Citrus paradisi (grapefruit)	Brazil		2		Maryland, New York.
Citrus sinensis (orange)	do		2		New York.
Mangifera indica (mango)	Dominican Republic, Mexico, Salvador, Trinidad	7			Alabama, New York, Texas.
Anastrepha fraterculus (Wied.) (?) (Tephritidae):					
Annona cherimola (cherimoya)	Chile	1			District of Columbia.
Citrus sinensis (orange)	Brazil, Peru	1	1		Alabama, Maryland,
Vitis sp. (grape)	Argentina	3			New York.
Anastrepha ludens (Loew) (Tephritidae):					
Annona sp.	Guatemala	1			Louisiana.
Citrus aurantifolia (sweet lime)	Mexico	22			Texas.
Citrus aurantium (sour orange)	do	2			Do.
Citrus paradisi (grapefruit)	do	8			Do.
Citrus reticulata (tangerine)	do	1			Do.
Citrus sinensis (orange)	Costa Rica, Guatemala, Mexico	100	4		Louisiana Texas.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Anastrepha ludens—Continued					
Cydonia oblonga (quince)	Mexico	3			Texas.
Malus sylvestris (apple)	do	2			Do.
Mammea americana (mamey)	Guatemala	1			Do.
Mangifera indica (mango)	Guatemala, Honduras, Mexico.	22	2		Arizona, California, Louisiana, Texas.
Persea americana (avocado)	Mexico	2			Texas.
Prunus persica (peach)	do	2			Do.
Punica granatum (pomegranate)	do	4			Do.
Pyrus communis (pear)	do	4			Do.
Sapote	do	1			Do.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Mangifera indica (mango)	Bermuda, Costa Rica, Dominican Republic, Guatemala, Haiti, Honduras Jamaica, Mexico, Panama, Puerto Rico, Salvador.	108	11		Alabama, California*, Florida*, Louisiana, Maryland, Massachusetts, New York, Pennsylvania, Puerto Rico Texas, Virginia.
Psidium guajava (guava)	Cuba, Puerto Rico, Salvador.	32			Florida*, Louisiana, New York, Pennsylvania, Puerto Rico.
Spondias mombin (yellow mombin)	Guatemala, Mexico, Puerto Rico, Salvador, Trinidad.	9	1		California*, Florida*, Louisiana, New York, Texas.
Spondias sp.	Guatemala, Puerto Rico, Salvador.	4			Louisiana, New York.
Anastrepha mombinpraeoptans Sein (?) (Tephritidae):					
Mangifera indica (mango)	Panama, Trinidad.		3		Alabama, Texas.
Anastrepha serpentina (Wied). (Tephritidae):					
Achras zapota (sapodilla)	Guatemala, Venezuela.	2			Florida*, Louisiana.
Calocarpum sapota (sapote)	Guatemala	1			Louisiana.
Chrysophyllum cainito (star-apple)	Mexico		2		Do.
Citrus paradisi (grapefruit)	Trinidad		2		New York.
Citrus sinensis (orange)	do		2		Florida*, Puerto Rico
Mammea americana (mamey)	Mexico	6			Texas.
Sapote	Panama	1			Do.
Anastrepha serpentina (Wied.) (?) (Tephritidae):					
Achras zapota (sapodilla)	Netherlands West Indies.	1			New York.
Anastrepha suspensa (Loew) (Tephritidae):					
Citrus sinensis (orange)	Puerto Rico	1			Do.
Psidium guajava (guava)	Cuba, Puerto Rico.	10			Florida*, Massachusetts, New York, Puerto Rico.
Ancylostomia stercorea (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Bahamas, Dominican Republic, Panama Puerto Rico, Trinidad.	29			Maryland, New York, Pennsylvania, Puerto Rico, Virginia.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Andricus glandium Giraud (Cynipidae):					
Quercus sp. (valonia)	Turkey	1			New York.
Anomala rufocuprea viridiaenea Ohaus (Scarabaeidae):					
Cupressus sp. (cypress)	Japan			1	Washington.
Antestia variegata (Thunberg) (Pentatomidae):					
Protea sp.	Union of South Africa.		1		New York.
Antestia variegata lineaticollis (Stal) (Pentatomidae):					
Protea sp.	do	1			Do.
Anthonomus albolineatus Champ. (Curculionidae):					
Orchid	Mexico			2	Texas.
Anthonomus incanus Champ. (Curculionidae):					
Orchid	do			1	Arizona.
Anthonomus rectirostris (L.) (Curculionidae):					
Prunus padus (European bird cherry)	Austria			1	New Jersey.
Anuraphis helichrysi (Kltb.) (Aphidae):					
Chrysanthemum sp.	England, Norway, Scotland.	3			Massachusetts, New York.
Anuraphis tulipae (Fonsc.) (Aphidae):					
Anemone sp.	Bermuda	1			New York.
Crocus sp.	Netherlands			1	New Jersey.
Iris bucharica	do			1	Do.
Iris hoogiana	do			2	Do.
Iris susiana (mourning iris)	England, France, Netherlands.			12	Do.
Iris xiphioides (English iris)	Netherlands			1	Do.
Iris sp.	England, France, Netherlands.			9	California*, New Jersey.
Tulipa sp. (tulip)	Belgium, Netherlands.			4	New Jersey, New York.
Aonidiella citrina (Coq.) (Coccidae):					
Canangium odoratum ("ilangilang")	Philippines	1			Minnesota.
Citrus paradisi (grapefruit)	Australia		1		California*
Cordia sp.	Mexico	1			Texas.
Aonidiella comperei McKenzie (Coccidae):					
Citrus aurantifolia (sour lime)	Trinidad	1			Florida.*
Aonidiella inornata McKenzie (Coccidae):					
Citrus reticulata (tangerine)	Philippines		2		California.*
Cocos nucifera (coconut)	Philippines, South Pacific.	3	3		Do.
Jasminum sambac (Arabian jasmine)	Hawaii			1	Do.
Jasminum sp.	do	1			Do.
Musa paradisiaca sapientum (banana)	Truk	1			Hawaii.
Aoromius quinquepunctatus (L.) (Curculionidae):					
Vicia sp. (vetch)	France	1			Maryland.
Aphanus saturnius (Rossi) (Lygaeidae):					
Vitis sp. (grape)	Italy	1			New York.
Aphanus umbrosus Dist. (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Texas.
Apion carduorum Kby. (Curculionidae):					
Cynara cardunculus (cardoon)	Italy			1	New York.
Cynara scolymus (globe artichoke)	France, Italy	2	2		Do.
Apion pomonae F. (Curculionidae):					
Vicia sp. (vetch)	France, Portugal, Spain.	3			Alabama, New York.
Araecerus vieillardi (Montr.) (Anthribidae):					
Airplane	Australia		1		Hawaii.
Ipomoea tuberosa (wood rose)	Hawaii	1			Do.
Argyresthia conjugella Zell. (Hyponomeutidae):					
Malus sylvestris (apple)	Norway	1			New York.

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[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Argyrotaenia franciscana (Wlsm.) (?) (Tortricidae):					
Malus sylvestris (apple)	Mexico		1		California.*
Artipus floridanus Horn (Curculionidae):					
Herbaceous plant	Bahamas	1			Florida*.
Arvelius albopunctatus (Deg.) (Pentatomidae):					
Capsicum frutescens (pepper)	Mexico	1			Texas.
Lycopersicon esculentum (tomato)	do	3			Arizona, Texas.
Aspidiotus abietis (Schr.) (Coccidae):					
Abies sp. (fir)	Czechoslovakia			1	New York.
Aspidiotus coryphae Ckll. & Rob. (Coccidae):					
Cocos nucifera (coconut)	Philippines		1		California.*
Aspidiotus degeneratus (Leon.) (Coccidae):					
Camellia sp.	China			2	Do.
Aspidiotus destructor Sign. (Coccidae):					
Cocos nucifera (coconut)	Canal Zone, Costa Rica, Guatemala, Honduras, Mexico.	16	5		California,* Florida,* Texas.
Mammea americana (mamey)	Puerto Rico			1	New York.
Musa paradisiaca sapientum (banana)	Costa Rica, Cuba, Guatemala.	19			California,* Florida.*
Palm	Cuba	1			Florida.*
Plant leaf	Jamaica			1	California.*
Aspidiotus diffinis Newst. (Coccidae):					
Achras zapota (sapodilla)	Mexico	1			Do.
Philodendron sp.	Colombia			1	Florida.*
Aspidiotus excisus Green (Coccidae):					
Citrus aurantifolia (sour lime)	Straits Settlements.		1		California.*
Plant	Philippines	1			Washington.
Aspidiotus herculeanus Ckll. & Hadden (Coccidae):					
Plumeria sp.	Hawaii	1			California.*
Aspidiotus palmae Ckll. (Coccidae):					
Citrus aurantifolia (sour lime)	Mexico		1		Do.
Citrus sinensis (orange)	Costa Rica		1		Do.
Lycaste gigantea (orchid)	do			1	Florida.*
Musa paradisiaca sapientum (banana)	Costa Rica, Nicaragua.	5			California.*
Philodendron sp.	Costa Rica			1	Florida.
Aspidiotus pseudomeyeri Kuw. (Coccidae):					
Cupressus sp. (cypress)	Japan			1	Washington.
Aspidiotus spinosus Comst. (Coccidae):					
Cocos nucifera (coconut)	Hawaii	2			California.*
Diospyros sp. (persimmon)	Greece	1			Massachusetts
Laelia anceps (orchid)	Mexico			1	Texas.
Musa paradisiaca sapientum (banana)	Nicaragua	2			California.*
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bamboo	British Guiana, Mexico.	5			Arizona, New York.
Asterolecanium epidendri (Bouche) (Coccidae):					
Anthurium sp.	Costa Rica			1	Florida.
Catasetum viridiflavum (orchid)	Canal Zone			1	New Jersey.
Cattleya dowiana (orchid)	Costa Rica			1	California.*
Cattleya lueddemanniana	Venezuela			1	Texas.
Cattleya sp.	Costa Rica			1	Do.
Dendrobium sp. (orchid)	Brazil			1	California,*
Laelia anceps (orchid)	Mexico	1			Texas.
Oncidium flexuosum (orchid)	Brazil			1	New Jersey.
Oncidium lanceanum	Trinidad			1	Do.
Orchid	Canal Zone, Costa Rica, Jamaica.			3	Florida, Puerto Rico.
Asterolecanium pustulans (Ckll.) (Coccidae):					
Achras zapota (sapodilla)	Puerto Rico	1			New York.

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Asterolecanium pustulans—Continued					
Jasminum sambac (Arabian jasmine)	Hawaii			1	California.*
Nerium oleander (oleander)	Bahamas			1	New York.
Plumeria sp.	Hawaii			1	California.*
Asterolecanium stentae Brain (Coccidae):					
Heurnia vogtsii	Transvaal			1	Do.
Athesapeuta cyperi Mshl. (Curculionidae):					
Vanda sp. (orchid)	Hawaii	1			Hawaii.
Athous haemorrhoidalis (F.) (Elateridae):					
Soil around plants	England			1	New York.
Athous niger (L.) (Elateridae):					
Paeonia sp. (peony)	Netherlands			1	New Jersey.
Athous subfuscus (Mull.) (Elateridae):					
Soil	France			1	Do.
Athous vittatus (F.) (Elateridae):					
Soil	do			1	Do.
Attelabus corvinus Gyll. (Curculionidae):					
Orchid	Mexico			1	Texas.
Baris coerulescens (Scop.) (Curculionidae):					
Raphanus sativus (radish)	France		1		New York.
Barynotus moerens (F.) (Curculionidae):					
Soil around *Convallaria* pips	England	1			Pennsylvania.
Barypeithes araneiformis Schr. (Curculionidae):					
Fragaria sp. (strawberry)	Ireland	1			Massachusetts.
Bibio johannis (L.) (Bibionidae):					
Soil	France			1	New Jersey.
Blastophagus piniperda (L.) (Scolytidae):					
Pinus sp. (pine)	Germany, Netherlands, Poland.	8			Alabama, New York, Texas.
Wooden strips around peat moss	Netherlands	1			Louisiana.
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	4			New York.
Brachycerus algirus F. (Curculionidae):					
Allium sativum (garlic)	do	6	2		Louisiana, New York, Texas.
Brachyrhinus meridionalis (Gyll.) (Curculionidae):					
Lilium candidum (Madonna lily)	France			1	New York.
Brachyrhinus singularis (L.) (Curculionidae):					
Grass and weed roots in soil ballast	Scotland	1			Alabama.
Brachyrhinus sulcatus F. (Curculionidae):					
Astilbe sp.	Netherlands			1	New Jersey.
Ribes alpinum (mountain currant)	do			1	Do.
Soil around rhododendron roots	Azores			1	New York.
Brentus anchorago (L.) (Brentidae):					
Cybistax donnell-smithii (primavera)	Honduras	1			Louisiana.
Bruchidius biguttatus fulvipennis (Germ.) (Bruchidae):					
Cistus sp.	Turkey			1	District of Columbia.
Bruchidius incarnatus (Boh.) (Bruchidae):					
Vicia faba (broadbean)	Egypt, Lebanon.	3	1		Massachusetts, New York, Texas.
Bruchidius lividimanus (Gyll.) (Bruchidae):					
Cytisus scoparius (Scotch broom)	Italy			1	New Jersey.
Bruchidius quinqueguttatus (Oliv.) (Bruchidae):					
Vicia sp. (vetch)	Turkey	1			New York.
Bruchus affinis Froel. (Bruchidae):					
Grain used for monkey food	India		1		Georgia.
Lathyrus odoratus (sweet pea)	Switzerland			1	Ohio.
Vicia sp. (vetch)	France	1			Alabama.
Bruchus atomarius (L.) (Bruchidae):					
Vicia faba (broadbean)	Turkey			1	District of Columbia.

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		Consumption	Nonentry	Propagation	
Bruchus dentipes Baudi (Bruchidae):					
Vicia faba (broadbean)	Lebanon	2			New Jersey, New York.
Bruchus emarginatus Allard (Bruchidae):					
Pisum sativum (pea)	India			4	District of Columbia.
Bruchus ervi Froel. (Bruchidae):					
Lens culinaris (lentil)	Lebanon, Italy, Syria, Turkey.	7		7	District of Columbia, New Jersey, New York.
Vicia ervillia (bitter vetch)	Turkey			1	District of Columbia.
Bruchus guttalis Rey (Bruchidae):					
Vicia sp. (vetch)	France, Madeira Islands, Portugal, unknown.	5			Michigan, New York, Ohio, Pennsylvania.
Bruchus hamatus Mill. (Bruchidae):					
Vicia sativa (vetch)	Turkey			3	District of Columbia.
Bruchus lentis Froel. (Bruchidae):					
Lens culinaris (lentil)	Italy, Turkey	5		7	District of Columbia, New Jersey, New York.
Bruchus luteicornis Ill. (Bruchidae):					
Vicia sp. (vetch)	Belgium, France, Italy, Switzerland.	23			Alabama, Louisiana, Maryland, New York, Texas.
Bruchus rufipes Hbst. (Bruchidae):					
Legume seed	Turkey			2	District of Columbia.
Vicia sp. (vetch)	France, Turkey.	1		4	Alabama, District of Columbia.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	Italy	7		2	New Jersey, New York.
Bruchus tristiculus Fahr. (Bruchidae):					
Lathyrus odoratus (sweet pea)	Turkey			1	District of Columbia,
Vicia sp. (vetch)	Italy		1		Texas.
Bruchus tristis Boh. (Bruchidae):					
Bean	do			1	New York.
Lathyrus sativus (grass pea)	Turkey			1	District of Columbia.
Lathyrus sp.	Italy	3		1	New Jersey, New York.
Legume seed	Turkey			1	District of Columbia.
Vicia ervilia (bitter vetch)	do			1	Do.
Vicia faba (broadbean)	Italy	1			New York.
Vicia sp. (vetch)	Netherlands	1			Missouri.
Bruchus ulicis Muls. (Bruchidae):					
Vicia ervilia (bitter vetch)	Turkey			2	District of Columbia.
Vicia sativa (vetch)	do			1	Do.
Callidium violaceum (L.) (Cerambycidae):					
Picea sp. (spruce)	Finland, Sweden.	3			New York.
Pinus sp. (pine)	Finland, Germany, Sweden.	6			Louisiana, New York.
Wood	Norway	2			Oregon.
Calligrapha argus Stal (Chrysomelidae):					
Orchid	Mexico			1	Texas.
Calligrapha elegantula Jac. (Chrysomelidae):					
Cattleya sp. (orchid)	Costa Rica			1	Florida.
Callirhytis sonorae Weld (Cynipidae):					
Quercus sp. (oak)	Mexico	21			Arizona.

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		Consumption	Nonentry	Propagation	
Callosobruchus ademptus (Sharp) (Bruchidae):					
Pueraria thunbergiana (kudzu-bean)	Japan			2	New Jersey, Washington.
Callosobruchus analis (F.) (Bruchidae):					
Cicer arietinum (chickpea)	India			1	District of Columbia.
Phaseolus aureus	do			1	Do.
Callosobruchus chinensis (L.) (Bruchidae):					
Bean	China, Italy, Philippines.	4			Hawaii, Illinois, New York.
Cajanus cajan (pigeonpea)	British Guiana, British West Indies, Jamaica, Philippines, Puerto Rico.	6		3	Florida, New Jersey, New York, Pennsylvania.
Cicer arietinum (chickpea)	India, Italy, Puerto Rico.	5	2		Georgia, New York.
Cordyline terminalis (tl)	Hawaii	1			Hawaii.
Dolichos biflorus (twinflower dolichos)	India			3	District of Columbia.
Glycine max (soybean)	China, India			3	Do.
"Gramme"	India		1		Georgia.
Lathyrus sp.	do			1	District of Columbia.
Legume seed	Philippines			1	New Jersey.
Mixed grain	India		1		Georgia.
Phaseolus aureus (mung bean)	do			5	District of Columbia.
Phaseolus vulgaris (kidney bean)	do			2	Do.
Phaseolus sp.	India, Italy	1		2	District of Columbia, New York.
Pisum sp.	China			1	District of Columbia.
Seed	Philippines			2	Missouri.
Vicia faba (broadbean)	Italy	2			New York.
Vigna sesquipedalis (asparagus-bean)	Japan			1	Washington.
Vigna sinensis (cowpea)	India, Jamaica, Philippines.	2		3	District of Columbia, New Jersey, New York.
Vigna sp.	Italy	1			New York.
Callosobruchus maculatus (F.) (Bruchidae):					
Bean	Mexico, Nigeria, Norway, Turkey.		2	2	District of Columbia, Florida, Texas.
Cajanus cajan (pigeonpea)	Barbados, Jamaica, Venezuela.	3		1	New York.
Cicer arietinun (chickpea)	India, Turkey		2	1	District of Columbia, New York.
Hibiscus esculentus (okra)	Turkey			1	District of Columbia.
Lathyrus sp.	Greece			2	Texas.
Legume seed	Turkey			1	District of Columbia.
Phaseolus aureus (mung bean)	Mexico, Turkey.	1		1	Arizona, District of Columbia.
Phaseolus lunatus macrocarpus (lima bean)	Spain		1		Texas.
Phaseolus vulgaris (kidney bean)	Turkey			1	District of Columbia.
Phaseolus sp.	Italy	1			New York.
Pisum sativum (pea)	Norway, Trinidad, unknown.	1	2		Oregon, Texas.

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Callosobruchus maculatus—Continued					
Vigna sinensis (cowpea)	Canal Zone, Nigeria, Turkey.	4		3	District of Columbia, New York.
Vigna sp.	Egypt, Nigeria	2			New Jersey, New York.
Callosobruchus phaseoli (Gyll.) (Bruchiade):					
Dolichos lablab (hyacinth-bean)	Hawaii, India, Jamaica.	2		3	District of Columbia, Hawaii, New York.
Dolichos sp.	Jamaica	1			New Jersey.
Camirus conicus (Germar) (Pentatomidae):					
Chrysanthemum sp.	Mexico	1			Texas.
Orchid	do			1	Do.
Caryedon fuscus Goeze (Bruchidae):					
Cassia javanica (appleblossom senna)	Hawaii	1			Hawaii.
Cassia sp.	do	1			Do.
Tamarindus indica (tamarind)	India		2		Virginia.
Cassida nebulosa L. (Chrysomelidae):					
Woods moss around rose cutting	Germany			1	New Jersey.
Catoplatus fabricii Stal (Tingidae):					
Woods moss	France			1	Do.
Caulophilus latinasus Say (Curculionidae):					
Persea americana (avocado)	Mexico			1	Texas.
Celerio lineata (F.) (Sphingidae):					
Portulaca oleracea (purslane)	do	10			Do.
Zea mays (corn)	do	1			Do.
Cephalocteus scarabaeoides (F) (Pentatomidae):					
Soil around roots of citrus seedlings	Morocco			2	Virginia.
Ceratitis capitata (Wied.) (Tephritidae):					
Carica papaya (papaya)	Hawaii.	1			Washington.
Citrus paradisi (grapefruit)	Cyprus, Egypt, Hawaii, Italy, Morocco, Union of South Africa, Uruguay.	1	9		Alabama, New York, Pennsylvania, Texas.
Citrus reticulata (tangerine)	Italy, Portugal, Spain.	10	4		Florida*, Massachusetts, New York.
Citrus sinensis (orange)	Algeria, Azores, Brazil, Cyprus, Egypt, Italy, Portugal, Spain, Union of South Africa.	11	22		Florida*, Louisiana, Maryland, Massachusetts, New York, Pennsylvania, Texas, Virginia.
Coffea sp. (coffee)	Brazil, Hawaii	5			New York, Hawaii.
Cydonia oblonga (quince)	Italy	4			New York.
Diospyros sp. (persimmon)	do	2			Massachusetts, New York.
Eriobotrya japonica (loquat)	Azores, Italy	3			Massachusetts, New York.
Ficus carica (fig)	Azores, Italy, unknown.	5			Illinois, Massachusetts, New York.
Lycopersicon esculentum (tomato)	Hawaii		1		Mississippi.
Malus sylvestris (apple)	Azores, Italy, Spain.	4	1		New York, Pennsylvania, Puerto Rico.
Mangifera indica (mango)	Brazil	1			Virginia.
Mespilus germanica (medlar)	Italy	1			Massachusetts.
Opuntia compressa (pricklypear)	do	6			New York.

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Ceratitis capitata—Continued					
Passiflora edulis (purple granadilla)	Azores, Cape Verde Islands.	1			New York.
Prunus armeniaca (apricot)	France	1	2		Massachusetts New York.
Prunus domestica (plum)	Greece		1		New York.
Prunus persica (peach)	Algeria, France, Italy, Lebanon, Morocco, Portugal, Spain.	5	9		Florida*, Illinois, New York, Pennsylvania, Texas.
Psidium guajava (guava)	Palestine	1			New York.
Punica granatum (pomegranate)	Italy	2			Do.
Pyrus communis (pear)	Italy, Portugal, Spain, unknown.	5	5		Illinois, Massachusetts, New York, Pennsylvania.
Vitis sp. (grape)	Argentina, Madeira Islands, Portugal.	2	1		Louisiana, Massachusetts, Pennsylvania.
With contraband containing oranges and *Citrus* sp.	Lebanon	1			New York.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Citrus limon (lemon)	Italy		1		Pennsylvania.
Citrus paradisi (grapefruit)	Cyprus (?), Morocco.		3		New York, Pennsylvania, Texas.
Citrus sinensis (orange)	Brazil, Union of South Africa.	2	3		New York. Texas.
Prunus armeniaca (apricot)	Syria	1			New York.
Prunus domestica (plum)	Portugal	1			Massachusetts.
Prunus persica (peach)	Italy, Morocco.		2		South Carolina, Virginia.
Psidium guajava (guava)	Madeira Islands.	1			Massachusetts.
Pyrus communis (pear)	France	1			Virginia.
Vitis sp. (grape)	Argentina	1			Louisiana.
Ceroplastes ceriferus (And.) (Coccidae):					
Acer sp. (maple)	Japan			1	California*.
Crataegus sp.	do			1	Do.
Malus sp.	do			1	Do.
Ceroplastes japonicus Green (Coccidae):					
Chaenomeles lagenaria (Japanese quince)	do			1	Washington.
Rhododendron sp.	do			1	Do.
Ceroplastes rubens Mask. (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	1			California*.
Anthurium sp.	do	2		1	Do.
Camellia japonica (camellia)	Japan			1	Florida.*
Chaenomeles sp.	do			1	Washington.
Zantedeschia sp. (?)	Hawaii	1			California.*
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig)	Italy, Palestine.			2	New Jersey, New York.
Chaetoclusia bakeri Coq. (Clusiidae):					
Airplane	Nicaragua		1		Texas.
Chaetocnema concinna (Mshl.) (Chrysomelidae):					
Rosa sp.	Germany	1			New York.
Chaetocnema hortensis (Fourc.) (Chrysomelidae):					
Sphagnum packing around lily-of-the-valley pips.	Denmark			1	Do.
Chalcodermus dentiferus Faust (Curculionidae):					
Ananas comosus (pineapple)	Mexico	1			Texas.

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Chelymorpha biannularis Boh. (Chrysomelidae):					
Bromeliad	do			1	Texas.
Chilo simplex (Btlr.) (Crambidae):					
Oryza sativa (rice)	China, Japan	13			California*, Louisiana, Massachusetts, New York, Pennsylvania, Texas, Washington.
Chilo simplex (Btlr.) (?) (Crambidae):					
Leersia sp.	Japan	3			Pennsylvania.
Chionaspis asiatica Arch. (Coccidae):					
Prunus sp. (plum)	Afghanistan			1	District of Columbia.
Punica granatum (pomegranate)	do			1	Do.
"Chionaspis" exalbida Ckll. (Coccidae):					
Aloe claviflora	Transvaal			1	California.*
Haworthia sp.	Southwest Africa.			2	District of Columbia.
Succulent	do			1	Do.
"Chionaspis" humilis Brain (Coccidae):					
Aloe sp.	Union of South Africa.			1	California.*
"Chionaspis" indigoferae (Hall) (Coccidae):					
Cotyledon	do			1	Do.
Crassula congesta	do			1	Do.
Heurnia hystrix	do			1	Do.
Shrub	do			1	Do.
Stapelia namaquensis	do			1	Do.
"Chionaspis" leucadendri Brain (Coccidae):					
Leucadendron sp.	do	1			New Jersey.
Chirothrips manicatus Hal. (Thripidae):					
Danthonia glauca	Pretoria			1	District of Columbia.
Chrysoclista atra (Haw.) (Cosmopterygidae):					
Malus sylvestris (apple)	Sweden		1		New York.
Chrysomela americana L. (Chrysomelidae):					
Rosmarinus sp. (rosemary)	Italy		1		Louisiana.
Chrysomphalus albopictus (Ckll.) (Coccidae):					
Cocos nucifera (coconut)	Mexico	1			California.*
Musa paradisiaca sapientum (banana)	Costa Rica	1			Do.
Persea americana (avocado)	Mexico	2			Texas.
Philodendron sp.	Guatemala, Mexico.			2	California, Texas.
Chrysomphalus nigropunctatus (Ckll.) (Coccidae):					
Laelia autumnalis (orchid)	Costa Rica			1	Texas.
Laelia majalis	Mexico			1	Do.
Laelia sp.	do			1	Do.
Chrysomphalus personatus (Comst.) (Coccidae):					
Citrus aurantifolia	Costa Rica		1		California.*
Citrus sinensis (orange)	Brazil		1		Do.
Cocos nucifera (coconut)	Costa Rica		1		Do.
Persea americana (avocado)	Mexico	1			Texas.
Chrysomphalus scutiformis (Ckll.) (Coccidae):					
Gardenia augusta (gardenia)	Mexico	1			California.*
Musa paradisiaca sapientum (banana)	Costa Rica	2			Do.
Tamarindus indica (tamarind)	Mexico	1			Arizona.
Chrysomphalus tenax (McKenzie) (Coccidae):					
Cattleya sp. (orchid)	Guatemala			1	California.*
Monstera sp.	do			2	California*, New Jersey.
Philodendron sp.	do			11	California.*

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Chrysomphalus umboniferus (Newst.) (Coccidae):					
Anthurium sp.	Canal Zone			1	Florida.
Musa paradisiaca sapientum (banana)	Costa Rica	1			California.*
Oncidium panamense (orchid)	Canal Zone			2	Florida, New Jersey.
Orchid	Mexico			1	Texas.
Clerada apicornis Signoret (Lygaeidae):					
Ananas sp.	Colombia			1	District of Columbia.
Macadamia sp.	Hawaii	1			Hawaii.
Cligenes delineata (Dist.) (Lygaeidae):					
Orchid	Guatemala			1	New Jersey.
Coccotrypes carpophagus (Horn.) (Scolytidae):					
Annona muricata (soursop)	Trinidad			1	Oregon.
Coccotrypes dactyliperda (F.) (Scolytidae):					
Phoenix dactylifera (date)	India, Tunisia, Turkey.	1	1	1	District of Columbia, New York.
Phytelephas sp. (ivory palm)	Panama	1			New York.
Sabal umbraculifera	Trinidad	1		1	New Jersey, Pennsylvania.
Coccotrypes pygmaeus Eichh. (Scolytidae):					
Tree seed	Brazil			1	Florida.
Coccus capparadis (Green) (Coccidae):					
Cypripedium villosum (orchid)	India			1	New Jersey.
Cypripedium sp.	do			1	Do.
Coccus pseudohesperidum (Ckll.) (Coccidae):					
Cattleya sp. (orchid)	Guatemala			1	Texas.
Coccus viridis (Green) (Coccidae):					
Bryophyllum sp.	Hawaii			1	California.*
Citrus aurantifolia (sour lime)	Trinidad	1			Florida.*
Citrus tankan	China			1	District of Columbia.
Gardenia augusta (gardenia)	Bahamas, Cuba, Hawaii, Panama, Venezuela.	12			California,* Florida*, New York.
Jasminum sp.	Hawaii			1	California*.
Plant leaf	Trinidad			1	Florida.
Psidium guajava (guava)	Puerto Rico	1			New York.
Coelosternus consputus Boh. (Curculionidae):					
Log	Mexico	1			California.*
Orchid	do			1	Arizona.
Conchaspis angraeci Ckll. (Coccidae):					
Branch	do	1			Texas.
Laelia anceps (orchid)	do			1	Do.
Orchid	Cuba, Venezuela.			2	Florida.
Peristeria elata (orchid)	Canal Zone			1	Texas.
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	Mexico	206			Do.
Conotrachelus integer Csy. (Curculionidae):					
Quercus sp. (oak)	do	2			Do.
Conotrachelus perseae Barber (Curculionidae):					
Persea americana (avocado)	Costa Rica, Guatemala, Honduras, Mexico.	5	3		Louisiana, Texas.
Coptosoma cribraria (F.) (Pentatomidae):					
Camellia sp.	China			1	California.*
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Honduras			3	Louisiana.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Crocidosema plebiana Zell. (Olethreutidae):					
Hibiscus esculentus (okra)	Cuba, Puerto Rico.	4			Florida,* Louisiana, Virginia.
Crophius scabrosus Uhler (Lygaeidae):					
Agave sp.	Mexico			1	Arizona.
Orchid	do			1	Do.
Cryphula apicatus (Dist.) (Lygaeidae):					
Orchid	do			2	Texas.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Citrus sinensis (orange)	Egypt		1		Pennsylvania.
Punica granatum (pomegranate)	Greece, Italy, Lebanon, Turkey.	11			Maryland, Massachusetts, New York.
Vitis sp. (grape)	Madeira Islands.	1			Pennsylvania.
Cryptocephalus krugii Weise (Chrysomelidae):					
Rosa sp. (rose)	Dominican Republic.	1			Puerto Rico.
Cryptocephalus nigrocinctus Suffr. (Chrysomelidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			New York.
Cryptoparlatoria leucaspis Ldgr. (Coccidae):					
Juniperus sp. (juniper)	Japan			1	Washington.
Cryptorhynchus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, India	23	2	1	California*, Hawaii, New York.
Persea americana (avocado)	Hawaii			1	California.*
Cryptotermes brevis (Wlk.) (Kalotermitidae):					
Wood	Hawaii, Honduras.	2			Hawaii, Louisiana.
Ctenicera aeneus (L.) (Elateridae):					
Sod used as ballast	Belgium		1		New York.
Curculio q-griseae Chttn. (Curculionidae):					
Quercus sp. (oak)	Mexico	8			Arizona, Texas.
Cylas fermoralis Faust (Curculionidae):					
Ipomoea batatas (sweetpotato)	Sierra Leone, West Africa.	1	1		Massachusetts, New York.
Cylas formicarius F. (Curculionidae):					
Ipomoea batatas (sweetpotato)	India		1		New York.
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	American Virgin Islands, Cuba, Dominican Republic, Mexico, Puerto Rico, Virgin Islands.	50	7		Florida*, Louisiana, New York, Pennsylvania, Texas.
Cylas formicarius (F.) var. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Fiji, Hawaii, India, Iraq, Siam.	1	6	1	District of Columbia, New York, Pennsylvania.
Cylas puncticollis Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Mozambique, Sierra Leone, West Africa.	1	4		Massachusetts, New York, Virginia.
Cyrtopeltis varians (Dist.) (Miridae):					
Raphanus sativus (radish)	Mexico	1			Texas.
Dactylotrypes uyttenboogaarti Eggers (Scolytidae):					
Schefflera delavayi	France			1	New Jersey.

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[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Dacus cucurbitae (Coq.) (Tephritidae):					
Cucumis sativus (cucumber)	Hawaii, Straits Settlements.		4		California*.
Cucurbita maxima (squash)	Hawaii		1		Do.
Lycopersicon esculentum (tomato)	do	1	12		California*, Louisiana, Mississippi, Oregon, Texas, Washington.
Dacus cucurbitae (Coq.) (?) Tephritidae):					
Cucumis sativus (cucumber)	do		1		California.*
Cucurbita sp. (squash)	do		1		Do.
Lycopersicon esculentum (tomato)	do		2		California*, Texas
Phaseolus vulgaris var. (string bean)	do		1		California.*
Dacus dorsalis Hend. (Tephritidae):					
Airplane	do		31		Hawaii.
Carica papaya (papaya)	do	1			Do.
Cocos nucifera (coconut)	do	1			Do.
Coffea sp. (coffee)	do	1			Do.
Diospyros kaki (Japanese persimmon)	do	1			Do.
Garcinia rubra	do	1			Do.
Heliconia sp.	do	1			Do.
Litchi chinensis (lychee)	do	2			California*, Hawaii.
Lycopersicon esculentum (tomato)	do		1		California*.
Mangifera indica (mango)	Hawaii, India	3			California*, Hawaii, New York.
Musa paradisiaca sapientum (banana)	Hawaii	3	5		California.*
Persea americana (avocado)	do	2			Hawaii.
Psidium guajava (guava)	do	5			California*, Hawaii.
Solanum aculeatissimum (soda-apple nightshade)	do	1			Hawaii.
Spondias cytherea (vi-apple)	do	1			Do.
Terminalia catappa (tropical almond)	do	1			Do.
Zingiber sp. (ginger)	do	1			Do.
Dacus dorsalis Hend. (?) (Tephritidae):					
Cocos nucifera (coconut)	do	1			Do.
Ficus carica (fig)	do	1			California.*
Lycopersicon esculentum (tomato)	do		1		Do.
Ochrosia sp.	Guam	1			Hawaii.
Dacus oleae (Gmel.) (Tephritidae):					
Olea europaea (olive)	Azores, Italy, Lebanon, Portugal, unknown.	18	2		Massachusetts, New York, Pennsylvania, Texas.
Dalopius marginatus (L.) (Elateridae):					
Calluna vulgaris (heather)	Scotland			1	Washington.
Rhododendron sp.	Belgium			1	New Jersey.
Soil around plants	Belgium, England.			5	New Jersey, Washington.
Deloyala guttata (Oliv.) (Chrysomelidae):					
Orchid	Mexico			1	Texas.
Dendrobiella sericans Lec. (Bostrichidae):					
Acacia farnesiana	do	1			Do.
Deraeocoris lutescens (Schill.) (Miridae):					
Soil and woods moss	France			1	New Jersey.
Dercynus micronyx Champ. (Curculionidae):					
Brownea grandiflora	Trinidad			1	New York.
Diabrotica speciosa (Germ.) (Chrysomelidae):					
Brassica oleracea capitata (cabbage)	Brazil		1		Texas.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron sp.	British Columbia.			1	Washington.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Citrus sp.	Mexico	1			Texas.
Gardenia augusta (gardenia)	do			1	Do.
Gardenia sp.	China			1	California*.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Dialeurodes kirkaldyi (Kot.) (Aleyrodidae):					
Jasminum sambac (Arabian jasmine)	Hawaii			1	California.
Jasminum sp.	China, Hawaii, Syria.			3	California*, New York.
Syringa sp.	China			1	California*.
Diaphania hyalinata (L.) (Pyraustidae):					
Cucumis sativus (cucumber)	Cuba		1		Louisiana.
Cucurbita maxima (squash)	Mexico	6			Texas.
Cucurbita pepo (pumpkin)	do	4			Do.
Herb	Puerto Rico	1			New York.
Diaphania nitidalis (Stoll) (Pyraustidae):					
Cucumis melo (canteloupe)	Cuba, Mexico	2	1		New York, Texas.
Cucumis sativus (cucumber)	Argentina, Brazil, Colombia, Cuba, Mexico, Trinidad, Venezuela.	2	11		Alabama, Louisiana, New York, Texas, Virginia.
Cucurbita maxima (squash)	Mexico	20			Arizona, Texas.
Cucurbita pepo (pumpkin)	do	5			Texas.
Sechium edule (chayote)	Dominican Republic, Puerto Rico.	5	1		Florida*, New York.
Diaprepes abbreviatus (L.) (Curculionidae):					
Airplane	Unknown		1		New York.
Diaprepes famelicus (Ol.) (Curculionidae):					
Zinnia sp.	Bermuda		1		Do.
Diatraea saccharalis (F.) (Crambidae):					
Saccharum officinarum (sugarcane)	Mexico, Puerto Rico.	2			New York, Texas.
Sorghum vulgare technicum broomcorn)	Argentina	3			Louisiana, New York.
Zea mays (corn)	Puerto Rico	2			Florida*, New York.
Dicrepidius corvinus Cand. (Elateridae):					
Portulaca oleracea (purslane)	Mexico	1			Texas.
Dinoderus bifoveolatus (Woll.) (Bostrichidae):					
Lonchocarpus sp. (cube root)	Brazil	1			New York.
Serjania mexicana (barbasco)	Brazil, Chile	3			Do.
Dinoderus brevis (Horn) (Bostrichidae):					
Bamboo	India (?)	2			Louisiana.
Wood	India	1			New York.
Diocalandra taitensis Guer. (Curculionidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii.
Diorymerellus laevimargo Champ. (Curculionidae):					
Laelia sp. (orchid)	Mexico			1	Texas.
Orchid	do			7	Do.
Doratifera oxleyi Newm. (Limacodidae):					
Brachychiton acerifolius (Victorian bottle-tree).	Australia			1	Hawaii.
Draeculacephala clypeata Osb. (Cicadellidae):					
Log	Costa Rica	1			South Carolina.
Drymus sylvaticus (F.) (Lygaeidae):					
Woods moss around rose roots	Ireland			1	New Jersey.
Dryophthorus corticalis (Payk.) (Curculionidae):					
Populus sp.	Italy	1			New York.
Dysdercus mimulus Hussey (Pyrrhocoridae):					
Capsicum frutescens (pepper)	Mexico	2			Texas.
Lycopersicon esculentum (tomato)	do	6			Do.
Dysides obscurus Perty (Bostrichidae):					
Wood	Brazil	1			New York.

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		Consumption	Nonentry	Propagation	
Ensina hyalipennis Bezzi (Tephritidae):					
Tripteris pachypteris	Union of South Africa.			1	District of Columbia.
Ensina ignobilis (Loew) (Tephritidae):					
Tripteris pachypteris	do			1	Do.
Epicaerus cognatus Sharp (Curculionidae):					
Solanum tuberosum (potato)	Mexico	1	3	1	Louisiana, District of Columbia, Texas.
Epidiaspis piricola (Del Guer.) (Coccidae):					
Malus sylvestris (apple)	France, Italy	1		4	District of Columbia, New York.
Prunus domestica (plum)	Chile	1			New York
Pyrus sp.	Italy			1	District of Columbia.
Epilachna varivestris Muls. (Coccinellidae):					
Bromeliad	Mexico			1	Texas.
Epinotia opposita Hein. (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	Brazil, Mexico, Peru.	10	5		Louisiana, Texas.
Ereunetis flavistriata Wlsm. (Tineidae):					
Cocos nucifera (coconut)	Hawaii	1	1		California, Washington.
Ernoporus tiliae (Panz.) (Scolytidae):					
Tilia sp.	France	1			New York.
Eucalandra setulosa Gyll. (Curculionidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Texas.
Eucalymnatus tessellatus (Sign.) (Coccidae):					
Alyzia olivaeformis (maile alyxia)	Hawaii	1			California.*
Gardenia augusta (gardenia)	Mexico	2			Texas.
Euleia heraclei (L.) (Tephritidae):					
Apium graveolens (celery)	England		1		Do.
Eumysia stigmella (Dyar) (Phycitidae):					
Echeveria sp.	Mexico			2	California.*
Eurydema ornatum (L.) (Pentatomidae):					
Brassica oleracea capitata (cabbage)	Italy		1		New York.
Eurytoma onobrychidis Nikolsky (Eurytomidae):					
Onobrychis viciaefolia	Turkey			1	District of Columbia.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya gigas (orchid)	Colombia			2	Florida.
Cattleya mossiae	Venezuela			1	Do.
Cattleya trianae	Colombia			1	Do.
Cattleya sp.	Brazil, Colombia, Trinidad, Venezuela.			36	Florida, New Jersey.
Orchid	Brazil			1	New Jersey.
Euscepes postfasciatus Fairm. (Curculionidae):					
Ipomoea batatas (sweetpotato)	American Virgin Islands, Brazil, Colombia, Fiji Islands, Hawaii, Puerto Rico, Trinidad, Virgin Islands.	20	12	2	California*, District of Columbia, Hawaii, Louisiana, New York, Texas.
Eutornus congener Woll. (Curculionidae):					
Orchid	India			1	California.*
Eutreta xanthochaeta Aldr. (Tephritidae):					
Vanda sp. (orchid)	Hawaii	1			Hawaii.
Euzesta annonae F. (Otitidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Texas.
Euzesta stigmatias Loew (Otitidae):					
Zea mays (corn)	Guatemala	1			New York.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Evergestis forficalis (L.) (Pyraustidae):					
Brassica oleracea capitata (cabbage)	England, Italy, Netherlands.		3		New York Virginia.
Evergestis rimosalis (Gn.) (Pyraustidae):					
Brassica oleracea capitata (cabbage)	Mexico		1		Texas.
Roripa nasturtium-aquaticum (watercress)	do	1			Do.
Exillis longicornis Pasc. (Anthribidae):					
Vine	Philippines	1			Washington
Exosoma lusitanica L. (Chrysomelidae):					
Muscari comosum (cipollino)	Morocco	1			New York
Exptochiomera oblonga (Stal) (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Arizona.
Orchid	do			2	Arizona, Texas.
Exptochiomera tumens (Stal) (Lygaeidae):					
Orchid	do			2	Texas.
Ferrisiana virgata (Ckll.) (Coccidae):					
Catasetum viridiflavum (orchid)	Canal Zone			1	New Jersey.
Cocos nucifera (coconut)	Guam	1			California*.
Codiaeum variegatum (croton)	Bahamas, Philippines.		1	1	California*, New York.
Elettaria speciosa	Hawaii	1			California.*
Epidendrum sp. (orchid)	Guatemala			1	Do.
Gardenia augusta (gardenia)	Siam		1		Hawaii.
Laelia superbiens (orchid)	Costa Rica			1	California.*
Lycaste candida (orchid)	Canal Zone			1	New Jersey.
Mammillaria sp. (cactus)	Mexico			1	California.*
Monstera sp.	Guatemala			1	New Jersey.
Orchid	Bintan Island, Costa Rica.			2	California.*
Peristeria elata (orchid)	Canal Zone			1	New Jersey.
Phalaenopsis sp. (orchid)	Philippines			1	California.*
Seed pod	do	1			Do.
Spathoglottis plicata (orchid)	Siam			1	Do.
Strelitzia sp.	Hawaii			1	Do.
Forficula auricularia L. (Forficulidae):					
Baggage	Ireland	1			Illinois.
Bulb case	Netherlands			1	New York.
Cloth	England	1			Maryland.
Colchicum sp.	Netherlands			2	New Jersey.
Crocus sp.	do			1	New York.
Cymbidium sp. (orchid)	England			1	New Jersey.
Excelsior packing	Italy, Netherlands.	1		1	Missouri, New York.
Hydrangea sp. and *Dianthus* sp. cuttings.	England	1			Massachusetts
Iris sp.	Netherlands			1	New Jersey.
Narcissus sp.	do			2	New York.
Plant	Madeira Islands.			1	Massachusetts
Punica granatum (pomegranate)	Italy	2			New York.
Soil ballast	Scotland	1			Alabama.
Tulipa sp. (tulip)	Netherlands			4	New York, Pennsylvania.
Frankliniella bratleyi Wats. (Thripidae):					
Polianthes tuberosa (tuberose)	Palestine			2	New Jersey.
Frankliniella insularis (Frankl.) (Thripidae):					
Antirrhinum majus (snapdragon)	Haiti	1			Puerto Rico.
Rosa sp. (rose)	Dominican Republic.	1			Do.
Fulvius albomaculatus Dist. (Miridae):					
Packing material with bromeliads	Venezuela			1	New Jersey.
Fulvius anthocorides Stal (Miridae):					
Orchid	Mexico			1	Texas.
Fundella pellucens (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			Florida.*
Phaseolus vulgaris var. (string bean)	do	1			Massachusetts
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			2	Florida, Texas.

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Furcaspis biformis—Continued					
Cattleya sp. (orchid)	Brazil, Canal Zone, Colombia, Costa Rica, Dutch Guiana, Hawaii, Siam, Venezuela.			17	California*, Florida, Guam, Hawaii, New Jersey, Texas.
Epidendrum atropurpureum (orchid)	Canal Zone			8	California*, Florida, Hawaii, New Jersey, Texas, Washington.
Epidendrum sp.	do			3	Florida, Washington.
Odontoglossum schlieperianum (orchid)	Costa Rica			1	California.*
Oncidium confusum (orchid)	Canal Zone			1	Texas.
Oncidium lanceanum	Trinidad			1	Do.
Oncidium multiflorum	Straits Settlements.			1	New Jersey.
Oncidium panamense	Canal Zone			1	Florida.
Oncidium sp.	Canal Zone, Guatemala, Siam.			3	California*, Washington.
Orchid	British Guiana, Canal Zone, Hawaii, Siam, Venezuela.			9	California*, Florida, Puerto Rico, Texas, Virginia.
Furcaspis oceanica Ldgr. (Coccidae):					
Musa paradisiaca sapientum (banana)	Truk	1			Hawaii.
Gastrodes pacificus (Prov.) (Lygaeidae):					
Cedrus sp. (cedar)	Canada	1			New York.
Gastrophysa viridula (Deg.) (Chrysomelidae):					
Soil with potatoes	England			1	Do.
Gelechia ericetella (Hbn.) (Gelechiidae):					
Calluna vulgaris (heather)	Denmark	1			Do.
Genopaschia protomis Dyar (Galleriidae):					
Ananas comosus (pineapple)	Jamaica		1		Alabama.
Gerstaeckeria mutillaria (Gerst.) (Curculionidae):					
Coryphantha sp. (cactus)	Mexico			1	Texas.
Mammillaria sp. (cactus)	do			3	California*, Texas.
Glyphonyx praecox Er. (Elateridae):					
Laelia anceps (orchid)	do			1	Texas.
Glyphonyx quadricollis Champ. (Elateridae):					
Brassica sp. (mustard)	do	1			Do.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	Dutch Guiana, Mexico.	2	1		Arizona, Louisiana.
Gnorimoschema lavernella (Chamb.) (Gelechiidae):					
Physalis sp. (husk tomato)	Mexico	5			Texas.
Gnorimoschema plaesiosema (Turner) (Gelechiidae):					
Solanum tuberosum (potato)	Peru		1		Do.
Gortyna flavago (Schiff.) (Phalaenidae):					
Cynara scolymus (globe artichoke)	Tunisia		1		Pennsylvania.
Gracilaria azaleella Brants (Gracilariidae):					
Rhododendron sp.	Japan, Netherlands.			25	New Jersey, Washington.
Grapholitha molesta (Busck) (Olethreutidae):					
Malus sylvestris (apple)	Argentina		1		Pennsylvania.
Prunus persica (peach)	France, Italy	2	1		Massachusetts, New York.

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		Consumption	Nonentry	Propagation	
Grapholitha molesta—Continued					
Pyrus communis (pear)	Italy, Mexico	2			New York. Texas.
Grapholitha packardi Zell. (Olethreutidae):					
Crataegus sp. (thornapple)	Mexico	2			Texas.
Graptostethus servus (F.) (Lygaeidae):					
Ipomoea tuberosa (woods rose)	Hawaii	2			Hawaii.
Gymnandrosoma aurantianum DaCosta Lima (Olethreutidae):					
Citrus sinensis (orange)	Brazil		2		Massachusetts, New York.
Gynaikothrips ficorum (Marchal) (Phlaeothripidae):					
Ficus retusa (Indian laurel fig)	Mexico			1	Texas.
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Dianthus sp. (carnation)	Egypt, Europe, Greece, Portugal, unknown.	2	4	1	Illinois, Massachusetts, New Jersey, New York.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Bougainvillea sp.	Hawaii.	1			California.*
Bryophyllum sp.	Puerto Rico.			1	New York.
Canavalia sp.	Hawaii.	5			California.*
Dianthus sp. (carnation)	do	2			Do.
Limonium sp.	do	1			Do.
Mesembryanthemum sp.	do	1			Hawaii.
Plumeria sp.	do	1			California.*
Tagetes sp.	do	1			Do.
Haplothrips nigricornis Bagn. (Phlaeothripidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa.	1			New York.
Hellula phidilealis (Wlk.) (Pyraustidae):					
Brassica oleracea capitata (cabbage)	Panama, Trinidad.		3		Alabama, New York.
Brassica rapa (turnip)	Cuba		1		Texas.
Hemimene juliana (Curt.) (Olethreutidae):					
Castanea sp. (chestnut)	Italy	1			New York.
Hercothrips phaseoli Hood (Thripidae):					
Phaseolus lunatus macrocarpus (lima bean)	Cuba	1			Do.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Bamboo	India	1			Texas.
Wood	Ceylon, India	2			New York.
Heteroderes laurentii (Guer.) (Elateridae):					
Solanum melongena (eggplant)	Cuba	1			Do.
Heteroglymma alata Heller (Curculionidae):					
Vanda sp. (orchid)	Philippines			1	Hawaii.
Homothrips distinctus Bagn. (Thripidae):					
Erica sp.	Union of South Africa.	1			New Jersey
Protea sp.	do	2			New Jersey, New York.
Horistonotus dilaticornis Champ. (Elateridae):					
Ananas comosus (pineapple)	Mexico	1			Texas.
Horistonotus rufiventris Cand. (Elateridae):					
Ananas comosus (pineapple)	do	1			Do.
Hydrothassa marginella (L.) (Chrysomelidae):					
Soil and moss packing for *Oxalis* sp. plants.	Ireland			1	New York.
Hylurgops palliatus (Gyll.) (Scolytidae):					
Bark—coniferous	Sweden	1			Pennsylvania.
Picea sp. (spruce)	do	6			New York.
Pinus sp. (pine)	Germany, Sweden.	4			Louisiana, New York.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Hypera nigrirostris F. (Curculionidae):					
Woods moss around rose cutting	Germany			1	New Jersey.
Hypolithus pectoralis (Say) (Elateridae):					
Ananas comosus (pineapple)	Mexico	1			Texas.
Icerya palmeri Riley & Howard (Coccidae):					
Cactus	do			1	Arizona.
Icerya similis Morr. (Coccidae):					
Laelia sp. (orchid)	Salvador			1	Texas.
Ips sexdentatus (Boern.) (Scolytidae):					
Pinus sp. (pine)	Netherlands	1			Alabama.
Wooden strips around peat moss	do	1			Louisiana.
Ips typographus (L.) (Scolytidae):					
Bark—coniferus	Sweden	1			Pennsylvania.
Picea sp. (spruce)	Germany, Sweden.	2			New York.
Pinus sp. (pine)	Czechoslovakia, Germany, Hungary, Netherlands.	10			Alabama, Louisiana, New York.
Iridomyrmex humilis Mayr (Formicidae):					
Dahlia sp.	Portugal			1	New York.
Dianthus sp. (carnation)	do	1			Massachusetts.
Dioscorea sp. (yam)	Azores	1			New York.
Herbs, bulbs & cuttings	do			1	Massachusetts.
Leaves	Portugal			1	New Jersey.
Passiflora sp.	Madeira Islands.	1			Massachusetts.
Phalaenopsis sp. (orchid)	Philippines			1	California.*
Protea sp.	Union of South Africa.	1			New York.
Prunus domestica (plum)	do	1			Do.
Prunus persica nectarina (nectarine)	Chile	1			Do.
Soil around plants	Italy			1	Do.
Sorghum sp. (?)	do	1			Do.
Tilia sp. (?)	Portugal	1			Pennsylvania.
Vitis sp. (grape)	France, Portugal, Union of South Africa.	3	1		New York.
Jadera sanguinolenta (F.) (Coreidae):					
Airplane	Mexico		1		Texas.
Lycopersicon esculentum (tomato)	do	1			Do.
Kalotermes bequaerti Snyder (Kalotermitidae):					
Juniperus sp. (juniper)	Bermuda	1			Massachusetts.
Pinus sp. (pine)	do	1			Do.
Lampetia equestris (F.) (Syrphidae):					
Narcissus sp.	Netherlands			1	California.*
Lampides boeticus (L.) (Lycaenidae):					
Canavalia sp.	Hawaii	9			California, Hawaii.
Laspeyresia nigricana (Steph.) (Olethreutidae):					
Pisum sativum (pea)	Portugal	1	2		New York, Texas.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	England, France, Germany, Italy, Portugal, Spain, Switzerland, Yugoslavia.	64	2		Alabama, Illinois, Maryland, Massachusetts, Missouri, New Jersey, New York, Ohio, Texas, Washington.
Lema confusa Chev. (Chrysomelidae):					
Selaginella lepidophylla (resurrection plant)	Mexico			1	Texas.
Lema melanopa (L.) (Chrysomelidae):					
Pinus sp. (pine)	Denmark			1	New York.
Lema opulenta Genn. & Har. (Chrysomelidae):					
Rosa sp. (rose)	Mexico	1			Texas.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Leperisinus frazini (Panz.) (Scolytidae):					
Frazinus sp. (ash)	England	10			Maryland, New York.
Lepidosaphes carinata (Ckll.) (Coccidae):					
Philodendron sp.	Mexico			2	Texas.
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Diospyros sp. (persimmon)	Japan	1			Minnesota.
Pyrus communis (pear)	do		1		California.*
"Lepidosaphes" esakii Takah. (Coccidae):					
Cocos nucifera (coconut)	Guam	1			Do.
Lepidosaphes ficus (Sign.) (Coccidae):					
Ficus carica (fig)	Algeria, Italy, Palestine.			5	California*, New Jersey, New York.
Lepidosaphes kuwacola Kuw. (Coccidae):					
Salix sp. (willow)	Japan		1		Washington.
Lepidosaphes pallida (Green) (Coccidae):					
Cupressus sp. (cypress)	do			1	Do.
Juniperus sp. (juniper)	do			2	Do.
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico			1	Texas.
Lepidosaphes pistaciae Arch. (Coccidae):					
Pistacia vera (pistache)	Syria	1			New York.
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum variegatum (croton)	Bahamas, British West Indies, Hawaii, Philippines, unknown.	8	1	4	California*, Hawaii, New Jersey, New York.
Lepidosaphes tuberculata Malen. (Coccidae):					
Coelogyne cristata (orchid)	India			1	California.*
Cymbidium eburneum (orchid)	do			1	New Jersey.
Cymbidium tuberculata	England			1	Do.
Cymbidium sp.	Australia, Belgium, China, England, Netherlands.	1		21	California*, Hawaii, New Jersey.
Dendrobium speciosum (orchid)	Australia			1	California.*
Orchid	China			1	Hawaii.
Lepidosaphes tubulorum Ferris (?) (Coccidae):					
Cocos nucifera (coconut)	Guam	1			California.*
Lepidosaphes yanagicola Kuw. (Coccidae):					
Salix sp. (willow)	Japan		1		Washington.
Leptoglossus chilensis Spinola (Coreidae):					
Vitis sp. (grape)	Chile	6			New York.
Leptophobia aripa (Bdv.) (Pieridae):					
Brassica oleracea botrytis (cauliflower):	Mexico		3		New York, Texas.
Leucaspis archangelskyae Ldgr. (Coccidae):					
Prunus sp. (cherry)	Afghanistan			1	District of Columbia.
Pyrus communis (pear)	do			1	Do.
Leucaspis candida (Targ.) (Coccidae):					
Pinus sp. (pine)	Germany			1	New Jersey.
Leucaspis cockerelli (de Charm.) (Coccidae):					
Citrus aurantifolia (sour lime)	Panama, Salvador.	2	2		California.*
Citrus paradisi (grapefruit)	Jamaica Nigeria.		4		Do.
Citrus sinensis (orange)	Jamaica, Panama, Trinidad, Venezuela.		7		California* Florida.*
Cocos nucifera (coconut)	Hawaii.	1			California.*
Dendrobium sp. (orchid)	do			1	Do.
Vanda sp. (orchid)	Trinidad			1	Florida.
Leucocera quinquepunctata (L.) (Chrysomelidae):					
Opuntia sp. and *Cereus* sp. plants	Haiti			1	New Jersey.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Leucocera sexpunctatus Chev. (Chrysomelidae):					
Orchid	Cuba			1	Florida.
Ligyrocoris abdominalis (G.-M.) (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	3			Texas.
Oncidium sp. (orchid)	Guatemala			1	New Jersey.
Ligyrocoris auriviliana (Dist.) (Lygaeidae):					
Chrysanthemum sp.	Mexico	1			Texas.
Lycopersicon esculentum (tomato)	do	3			Do.
Ligyrocoris litigiosus Stal (Lygaeidae):					
Ananas comosus (pineapple)	do	2			Do.
Lineodes integra (Zell.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	do	1			Do.
Lineodes triangularis (Mosch.) (Pyraustidae):					
Capsicum frutescens (pepper)	Puerto Rico	1			New York.
Liothrips vaneeckei Pr. (Phlaeothripidae):					
Lilium sp. (lily)	China			1	Washington.
Liriomyza pusilla (Meig.) (Agromyzidae):					
Capsicum frutescens (pepper)	Mexico	4			Arizona, Texas.
Gypsophila paniculata (babysbreath)	do	1			Texas.
Lycopersicon esculentum (tomato)	do	4			Arizona, Texas.
Listroderes aequivocus Kuschel (Curculionidae):					
Allium sativum (garlic)	Unknown		1		New York.
Lixus ascanii (L.) (Curculionidae):					
Raphanus sativus (radish)	France		1		Do.
Lixus junci Boh. (Curculionidae):					
Beta vulgaris (beet)	Egypt, Spain		2		Maryland, Texas.
Loxostege bifidalis (F.) (Pyraustidae):					
Portulaca oleracea (purslane)	Mexico	1			Texas.
Loxostege similalis (Gn.) (Pyraustidae):					
Chrysanthemum sp.	do	1			Do.
Portulaca oleracea (purslane)	do	6			Do.
Lygaeus circumlinitus Dist. (Lygaeidae):					
Orchid	do			1	Do.
Lygaeus circumplicatus Dist. (Lygaeidae):					
Orchid	do			1	Do.
Lygaeus consanguinitus Dist. (Lygaeidae):					
Allium cepa (onion)	do	1			Do.
Lygaeus pulchellus F. (Lygaeidae):					
Musa paradisiaca sapientum (banana)	do	1			California.*
Lygaeus vittiscutis Stal (Lygaeidae):					
Bromeliad	Costa Rica			1	Texas.
Lycopersicon esculentum (tomato)	Mexico	1			Do.
Orchid	Guatemala, Honduras, Mexico.			6	Do.
Lygus elisus Van D. (Miridae):					
Ilex sp. (holly)	Canada	1			Minnesota.
Lygus fraudentus (Stal) (Miridae):					
Brassica oleracea botrytis (cauliflower)	Argentina		1		Louisiana.
Lygus oblineatus (Say) (Miridae):					
Chrysanthemum sp.	Mexico	1			Arizona.
Ulmus sp. (elm)	Canada	1			New York.
Vegetables	Mexico	1			Texas.
Zea mays (corn)	Canada		1		Do.
Madarus distigma Boh. (Curculionidae):					
Orchid	Mexico			1	Do.
Malacorhinus tripunctatus (Jac.) (Chrysomelidae):					
Airplane	do		1		Do.
Mamestra brassicae (L.) (Phalaenidae):					
Brassica oleracea botrytis (cauliflower)	Ireland, Norway.		2		New York, Texas.
Brassica oleracea capitata (cabbage)	France, Netherlands.		2		New York.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Maruca testulalis (Geyer) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Dominican Republic, Puerto Rico.	10			Maryland, New York.
Canavalia sp.	Hawaii	12			California*, Hawaii.
Phaseolus lunatus macrocarpus (lima bean)	Cuba, Puerto Rico.	3			New York.
Phaseolus vulgaris (kidney bean)	Puerto Rico		1		Do.
Phaseolus vulgaris var. (string bean)	Brazil, Cuba, Dutch Guiana, Hawaii, Puerto Rico, Venezuela.	5	13		Alabama, California*, Florida*, Louisiana, Maryland, New York, Pennsylvania, Texas.
Mecinus pyraster Hbst. (Curculionidae):					
Soil and moss packing	Ireland			1	New York.
Mecolaemus carvalhoi (Costa Lima) (Miridae):					
Orchid	Brazil			1	Florida.
Megacerus contaminatus (Sharp) (Bruchidae):					
Ipomoea stans	Mexico			1	District of Columbia.
Megalometis chiliensis Boh. (Curculionidae):					
Prunus domestica (plum)	Chile	1			New York.
Prunus persica nectarina (nectarine)	do	1			Do.
Megapenthes cinnamomus Champ. (Elateridae):					
Odontoglossum sp. (orchid)	Guatemala			1	Texas.
Megasternum boletophagum (Marsh.) (Hydrophilidae):					
Beta vulgaris macrorhiza (mangel-wurzel)	England		1		New York.
Melanoxanthus melanocephalus (F.) (Elateridae):					
Airplane	South Pacific		1		Hawaii.
Metamasius sericeus (Oliv.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Costa Rica, Ecuador, Honduras.	11			California*, Maryland, South Carolina.
Micrapate labialis Lesne (Bostrichidae):					
Sambucus sp.	Mexico	1			New York.
Wood	do	1			Texas.
Micrelus ericae Gyll. (Curculionidae):					
Calluna vulgaris (heather)	Scotland	1			New York.
Mimorista flavidissimalis (Grt.) (Pyraustidae):					
Cactus	Mexico	2			Texas.
Mimosestes dominicanus (Jek.) (Bruchidae):					
Acacia farnesiana (cascalote)	Salvador	1			Louisiana.
Libidibia sp.	Canal Zone	1			Do.
Ochroma lagopus (balsa)	Colombia	1			New York.
Mineola indigenella (Zell.) (Phycitidae):					
Prunus sp. (Japanese flowering cherry)	Japan			1	Oregon.
Monanthia monotropidia Stal (Tingitidae):					
Bromeliad	do			1	Texas.
Monomorium destructor (Jerd.) (Formicidae):					
Agave sp. (sisal)	Haiti			1	District of Columbia.
Ananas comosus (pineapple)	Bahamas			1	Florida.
Cajanus cajan (pigeonpea)	Puerto Rico	1			New York.
Coelogyne elata (orchid)	India	1			Hawaii.
Cymbidium sp. (orchid)	do			1	New Jersey.
Dendrobium sp. (orchid)	do	1			Hawaii.
Hibiscus esculentus (okra)	Trinidad	1			New York.
Orchid	Colombia, Philippines.	1		1	California*, Florida.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Monomorium destructor—Continued					
Pyrus communis (pear)	Lebanon	1			New York.
Vanda sp. (orchid)	India			1	New Jersey.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	3	2		Texas.
Mordellistena cattleyana Champ. (Mordellidae):					
Cattleya gigas (orchid)	Colombia			2	Florida, New Jersey.
Cattleya labiata	Brazil			6	New Jersey, Texas.
Cattleya labiata autumnalis	do			3	California.*
Cattleya velutina	do			1	New Jersey.
Cattleya warneri	do			1	Do.
Cattleya sp.	Brazil, Colombia, Venezuela.			21	Florida, New Jersey, Texas.
Epidendrum sp. (orchid)	do			1	Do.
Laelia purpurata (orchid)	Brazil			1	New Jersey.
Orchid	Honduras, Mexico.			3	Florida, Texas.
Mordellistena rufonotata Champ. (Mordellidae):					
Orchid	Mexico			3	Texas.
Morganella longispina (Morg.) (Coccidae):					
Citrus aurantifolia (sour lime)	Philippines		1		California.*
Citrus limon (lemon)	New Zealand		2		Do.
Citrus sinensis (orange)	Brazil		1		Do.
Dendrobium sp. (orchid)	Straits Settlements.			1	Do.
Myelois ceratoniae Zell. (Phycitidae):					
Ceratonia siliqua (St. Johnsbread)	Italy	1			New York.
Citrus sinensis (orange)	do	1			Do.
Phoenix dactylifera (date)	Iraq	1			Florida.*
Myelois notatalis (Wlk.) (Phycitidae):					
Ceratonia siliqua (St. Johnsbread)	British Honduras.	1			Do.
Myllocerus hilleri Faust (Curculionidae):					
Unknown	Japan (?)		1		Washington.
Myodocha longicollis Stal (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Texas.
Myzus ascalonicus Doncaster (Aphidae):					
Allium cepa (onion)	France	1			Ohio.
Nasutitermes corniger (Motsch.) (Termitidae):					
Log	Costa Rica	1			South Carolina.
Musa paradisiaca sapientum (banana)	do	1			California.*
Wood	Honduras	1			Louisiana.
Nasutitermes luzonicus (Oshima) (Termitidae):					
Wood	Philippines	1			Maryland.
Nasutitermes nigriceps (Haldeman) (Termitidae):					
Orchid	Unknown			1	Florida.
Neocattarus vegetus Dist. (Lygaeidae):					
Oncidium confusum (orchid)	Canal Zone			1	Hawaii.
Neoclytus cacicus Chevr. (Cerambycidae):					
Guajacum officinale (lignumvitae)	Nicaragua	1			California.*
Neodryocoetes guianae Blkm. (Scolytidae):					
Cajanus cajan (pigeonpea)	British Guiana	2			New Jersey.
Pisum sativum (pea)	do	1			Missouri.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	Mexico	398			Texas.
Solanum melongena (eggplant)	Brazil		1		New York.
Newsteadia floccosa (Deg.) (Coccidae):					
Woods moss	England, France.			2	New Jersey.
Nilotaspis halli (Green) (Coccidae):					
Prunus armeniaca (apricot)	Israel, Turkey			5	District of Columbia.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Nilotaspis halli—Continued					
Prunus persica (peach)	Turkey			1	District of Columbia.
Prunus sp. (plum)	do			1	Do.
Nymphalis urticae (L.) (Nymphalidae):					
Hay packing	Netherlands	1			Arizona.
Nysius basalis Dallas (Lygaeidae):					
Orchid	Mexico			1	Texas.
Nysius dallasi White (Lygaeidae):					
Airplane	Hawaii		1		Hawaii.
Nysius simulans Stal (Lygaeidae):					
Hordeum stenostachys	Uruguay			1	District of Columbia.
Prunus persica nectarina (nectarine)	Chile	1			New York.
Oedionychis lateralis Jac. (Chrysomelidae):					
Orchid	Mexico			1	Texas.
Oedionychis transversalis Jac. (Chrysomelidae):					
Orchid	do			1	Do.
Ogdoecosta biannularis (Boh.) Chrysomelidae):					
Laelia sp. (orchid)	do			1	Do.
Oosternum costatum Sharp (Hydrophilidae):					
Orchid	do			1	Do.
Orchidophilus peregrinator Buch. (Curculionidae):					
Orchid	Hawaii	1			Hawaii.
Orthotomicus laricis (F.) (Scolytidae):					
Wooden strips around peat moss	Netherlands	1			Louisiana.
Oxycarenus lavaterae (F.) (Lygaeidae):					
Tilia tomentosa (silver linden)	Italy			1	New Jersey.
Oxydema longulum (Boh.) (Curculionidae):					
Parcel post package	Hawaii	1			Hawaii.
Ozophora consanguineus (Dist.) (Lygaeidae):					
Bromeliad	Costa Rica			1	Texas.
Pachybrachius luridus Hahn. (Lygaeidae):					
Dianthus sp. (carnation)	Netherlands			1	New Jersey.
Rhododendron sp.	do			1	Do.
Pachycoris torridus (Scop.) (Pentatomidae):					
Musa paradisiaca sapientum (banana)	Guatemala	1			California.*
Pachyzancla bipunctalis (F.) (Pyraustidae):					
Plant	Puerto Rico	1			New York.
Pachyzancla periusalis (Wlk.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	Brazil, Jamaica	1	1		Alabama, New York
Pantomorus godmani (Crotch) (Curculionidae):					
Flowers	Hawaii	1			Hawaii.
Leucaena glauca	do	1			Do.
Pimpinella anisum (anise)	Azores			1	New Jersey.
Paracardiophorus pauper (Cand.) (Elateridae):					
Soil around azalea roots	Japan			1	Hawaii.
Parlatoria camelliae Comst. (Coccidae):					
Aucuba sp.	do			1	California.*
Camellia japonica (camellia)	China, Japan			12	California*, District of Columbia, Florida*, Washington.
Parlatoria chinensis Marl. (Coccidae):					
Cydonia sp. (flowering quince)	Japan			1	Washington.
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (sour lime)	British West Indies, Costa Rica, Mexico, Trinidad.	1	8		California*, Florida*.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Parlatoria cinerea—Continued					
Citrus grandis (pummelo)	Formosa		1		California*.
Citrus paradisi (grapefruit)	Brazil, Panama, Trinidad, Uruguay.		5		Do.
Citrus sinensis (orange)	Brazil, Panama, Trinidad, Uruguay.	1	14		California*, Florida*.
Parlatoria citri McKenzie (Coccidae):					
Citrus aurantifolia (sour lime)	Straits Settlements.		1		California*.
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum variegatum (croton)	Hawaii		1	2	California*, New Jersey.
Parlatoria fluggeae Hall (Coccidae):					
Hibiscus sp.	do			1	California.*
Parlatoria oleae (Colvee) (Coccidae):					
Malus sylvestris (apple)	Afghanistan, Greece (?), Italy.	27		2	District of Columbia, Michigan, New York.
Mespilus germanica (medlar)	Italy	2			New York.
Olea europaea (olive)	Greece			2	District of Columbia, New Jersey.
Prunus armeniaca (apricot)	Afghanistan			1	District of Columbia.
Prunus persica (peach)	do			1	Do.
Prunus sp. (plum)	do			1	Do.
Pyrus communis (pear)	Afghanistan, Italy.	2		1	District of Columbia, New York,
Quercus sp. (?)	Italy			1	New Jersey.
Parlatoria pittospori Mask. (Coccidae):					
Glottiphylum sp.	Union of South Africa.			1	Do.
Haworthia sp.	do			1	Do.
Palm	Mexico	1			California.*
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Orchid	India, Japan, Philippines.			3	California*, New Jersey, Washington.
Vanda joaquimiae (orchid)	Philippines, Siam.			3	California*, New Jersey.
Vanda suavis	Batavia			1	New Jersey.
Vanda teres	Straits Settlements.			1	California.*
Vanda sp.	Hawaii, Siam.			2	California*, New Jersey.
Parlatoria theae Ckll. (Coccidae):					
Acer sp. (maple)	Japan	1		3	California*, Washington.
Prunus sp., perhaps *mume*	do			1	District of Columbia.
Rosa sp. (rose)	do			1	California.*
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (sour lime)	China, Philippines, Straits Settlements.		5		Do.
Citrus grandis (pummelo)	Formosa, Japan, Philippines, Straits Settlements.		4		Do.
Citrus limon (lemon)	Australia, Italy, Japan, Spain.		13		California*, Florida.*
Citrus paradisi (grapefruit)	China		1		California.*
Citrus reticulata (tangerine)	China, Japan.	1	2		California*, Minnesota.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Parlatoria zizyphus—Continued					
Citrus sinensis (orange)	Algeria, China, Italy, Philippines, Spain.	1	8		California*, Hawaii, Massachusetts, Pennsylvania.
Parozyna sororcula (Wied.) (Tephritidae):					
Eriocephalus pubescens	Pretoria			1	District of Columbia.
Pealius hibisci (Kot.) (Aleyrodidae):					
Hibiscus sp.	Hawaii	1			California.*
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium sp. (cottonseed)	Brazil, Egypt, Hawaii, India, Italy, Jamaica, Mexico, Pakistan, Philippines.	26	5	2	Florida*, Michigan, New York, Pennsylvania, Texas.
Gossypium sp. (seed cotton)	Haiti, Mexico	3			Florida*, Texas.
Gossypium sp. (cotton boll)	Virgin Islands	1			New York.
Gossypium sp. (cotton; grabbots)	Brazil	1			Texas.
Hibiscus esculentus (okra)	American Virgin Islands, Brazil, Puerto Rico.	4	1		New York.
In railway car	Mexico	1			Texas.
Phalonia zephyrana (Treit.) (Phaloniidae):					
Daucus carota (carrot)	Italy		2		Alabama, Louisiana.
Phatnoma annulipes Champ. (Tingidae):					
Orchid	Mexico			2	Texas.
Pheidole megacephala (F.) (Formicidae):					
Ananas comosus (pineapple)	Cuba	2			Louisiana, New York.
Solanum melongena (eggplant)	do	1			New York.
Phelomerus germaini Pic (Bruchidae):					
Cercidium australe	Argentina			1	Washington.
Phenacaspis sandwicensis Fullaway (Coccidae):					
Cocos nucifera (coconut)	Hawaii		1		California.*
Strelitzia sp.	do			1	Do.
Phenacoccus gossypii Towns. & Ckll. (Coccidae):					
Coleus sp.	Mexico			1	Arizona.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa.	7			Maryland, New York.
Phragmatobia fuliginosa (L.) (Arctiidae):					
Primula sp.	England			1	New York.
Phyllotreta cruciferae (Goeze) (Chrysomelidae):					
Pyrus communis (pear)	France		1		Massachusetts.
Physonota humilis Boh. (Chrysomelidae):					
Orchid	Mexico			1	Arizona.
Physorrhinus distigma Cand. (Elateridae):					
Log	Costa Rica, Mexico.	2			California.*
Physorrhinus distigma cephalicus Cand. (Elateridae):					
Cedrus sp. (cedar)	Canal Zone	1			New York.
Phytomyza atricornis Meig. (Agromyzidae):					
Cichorium endivia (endive)	Belgium	64			Massachusetts, New York.
Cichorium intybus (chicory)	do	8	1		New York.
Piezodorus purus (Stal) (Pentatomidae):					
Tetragonia arbuscula	Pretoria			1	District of Columbia.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pinnaspis buxi (Bouche) (Coccidae):					
Anthurium sp.	Costa Rica, Hawaii.	2		2	California*, Florida.
Cirrhopetalum sp. (orchid)	India			1	New Jersey.
Dendrobium fusiforme (orchid)	Australia			2	Hawaii.
Dendrobium speciosum	do			3	Hawaii, New Jersey, Washington.
Dendrobium sp.	do			1	Washington.
Philodendron sp.	Hawaii			1	California.*
Pityogenes bidentatus (Herbst.) (Scolytidae):					
Pinus sp. (pine)	Germany, Netherlands.	4			Alabama, New York, Texas.
Pityogenes chalcographus (L.) (Scolytidae):					
Bark	Belgium, Sweden.	2			New Jersey, Pennsylvania.
Coniferous wood	Finland	1			Pennsylvania.
Picea sp. (spruce)	Finland, Germany, Hungary, Sweden.	16			New York.
Pinus sp. (pine)	Germany, Hungary, Netherlands.	5			Louisiana, New York.
Pityophthorus sambuci Blkm. (Scolytidae):					
Bark	Mexico	1			California.
Salix sp. (willow)	do	1			Texas.
Plagiodera thymaloides Stal (Chrysomelidae):					
Orchid	do			5	Do.
Platycarenus humilis (H.-S.) (Pentatomidae):					
Musa paradisiaca sapientum (banana)	Costa Rica	1			California.*
Platycarenus notulatus Stal (Pentatomidae):					
Musa paradisiaca sapientum (banana)	Mexico	1			Do.
Platynota rostrana (Wlk.) (Tortricidae):					
Ananas comosus (pineapple)	Cuba	1			Louisiana.
Capsicum frutescens longum (long red pepper)	Mexico	3			California.*
Lycopersicon esculentum (tomato)	do	9			Texas.
Platynota stultana (Wlsm.) (Tortricidae):					
Beta vulgaris (beet)	do	1			Do.
Capsicum frutescens (pepper)	do	48			Arizona, Texas.
Lycopersicon esculentum (tomato)	do	1			Texas.
Platypus rugulosus Chapuis (Platypodidae):					
Ananas comosus (pineapple)	do	4			Do.
Ceiba sp.	Nicaragua	1			New York.
Log	Costa Rica	1			South Carolina.
Platythrips tunicatus Hal. (Thripidae):					
Woods moss	England			1	New Jersey.
Plesiommata mollicella (Fowl.), Cicadellidae):					
Gladiolus sp.	Mexico	1			Texas.
Poecilips persicae (Hopk.) (Scolytidae):					
Cyatheaceae	Hawaii	1			California.*
Pogonocherus fasciculatus Deg. (Cerambycidae):					
Picea sp. (spruce)	Sweden	1			New York.
Polia oleracea (L.) (Phalaenidae):					
Beta vulgaris macrorhiza (mangel-wurzel)	England		1		Do.
"Poliaspis" pini Mask. (Coccidae):					
Pinus thunbergii (2-leaved pine)	Japan			1	Washington.
Pinus sp. (2-leaved pine)	do			3	Do.
Pinus sp.	do			1	California.*

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Polycaon chiliensis (Cast.) (Bostrichidae):					
Vitis sp. (grape)	Chile	1			New York.
Polychrosis botrana (Schiff.) (Olethreutidae):					
Vitis sp. (grape)	France, Italy	4	1		Massachusetts, New York.
Prays oleellus (F.) (?) (Hyponomeutidae):					
Olea europaea (olive)	Lebanon	1			New York.
Premnotrypes fractirostris Mshl. (Curculionidae):					
Solanum tuberosum (potato)	Peru		1		Texas.
Premnotrypes solani Pierce (Curculionidae):					
Solanum tuberosum (potato)	do		2		Do.
Premnotrypes vorax (Hust.) (Curculionidae):					
Solanum tuberosum (potato)	Ecuador		1		New York.
Prodenia eridania (Cram.) (Phalaenidae):					
Aster sp.	Bermuda	1			Do.
Chrysanthemum sp.	Venezuela	1			Do.
Lilium longiflorum (Easter lily)	Honduras	1			Louisiana.
Lycopersicon esculentum (tomato)	Mexico	1			Arizona.
Prodenia ornithogalli Gn. (Phalaenidae):					
Zinnia sp.	do	1			Texas.
Prostephanus truncatus (Horn) (Bostrichidae):					
Zea mays (corn)	do			1	Do.
Protopulvinaria longivalvata (Green) (Coccidae):					
Antidesma bunius (bignay China laurel)	Canal Zone			1	Florida.
Gardenia augusta (gardenia)	Venezuela	3	1	1	Alabama, New York.
Eugenia jambos (rose-apple)	Canal Zone			1	California.*
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Gardenia augusta (gardenia)	Cuba	2			Florida.*
Lonicera sp.	Bermuda			1	New York.
Vanilla pompona (orchid)	Canal Zone			1	Texas.
Pseudaonidia clavigera Ckll. (Coccidae):					
Plumeria sp.	Hawaii			1	California.*
Pseudaonidia curculiginis Green (Coccidae):					
Cymbidium findlaysonianum (orchid)	Philippines			1	Do.
Pseudaonidia tesserata (de Charm.) (Coccidae):					
Hibiscus sp.	Hawaii			1	Do.
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus limon (lemon)	Argentina, Brazil.		2		Do.
Ixora sp.	Canal Zone			1	Florida.
Pseudischnaspis acephala Ferris (Coccidae):					
Arundina bambusifolia (orchid)	do			1	California.*
Pseudischnaspis alienus (Newst.) (Coccidae):					
Brassavola sp. (orchid)	Honduras			1	Florida.
Cattleya skinneri (orchid)	Costa Rica			1	New Jersey.
Cattleya sp.	Guatemala, Venezuela.			2	Florida, New Jersey.
Laelia anceps (orchid)	Mexico			1	Texas.
Laelia autumnalis (?)	do			1	California.*
Philodendron sp.	Guatemala			1	Do.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii, Philippines.	7	2		California.*
Pseudococcus pini (Kuw.) (Coccidae):					
Pinus sp. (pine)	Japan, Korea			4	California*, District of Columbia, Washington.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pseudococcus trichilae Brain (Coccidae):					
Leucadendron argenteum (silver leucadendron)	Union of South Africa.	1			New Jersey.
Pseudodiaspis yuccae (Ckll.) (Coccidae):					
Cactus	Mexico			1	Arizona.
Pseudoparlatoria ostreata Ckll. (Coccidae):					
Cattleya mossiae (orchid)	Costa Rica			1	California.*
Psila rosae (F.) (Psilidae):					
Apium graveolens (celery)	England, France, Netherlands.		11		Alabama, New York, Pennsylvania, Texas.
Apium graveolens rapaceum (celeriac)	Denmark, Netherlands, Norway.		8		Louisiana, Texas,
Chrysanthemum sp.	England			1	New Jersey.
Daucus carota (carrot)	Algeria, Belgium, Cuba, Denmark, England, France, Ireland, Italy, Netherlands, Portugal, Sweden, Wales.		43		Alabama, New York, Ohio, South Carolina, Texas, Virginia.
Pastinaca sativa (parsnip)	England		4		Texas.
Pteleobius vittatus (F.) (Scolytidae):					
Ulmus sp. (elm)	do	1			New York.
Ptochoryctis tsugensis (Kearf.) (?) (Xyloryctidae):					
Cupressus sp. (cypress)	Japan			1	Washington.
Pinus sp. (5-leaved pine)	do			2	Do.
Pulvinaria innumerabilis (Rath.) (Coccidae):					
Vitis sp. (grape)	France			1	New Jersey.
Pulvinaria psidii Mask. (Coccidae):					
Anthurium sp.	Trinidad			1	Florida.
Ficus paudurata (fiddleleaf fig)	Cuba			1	New Jersey.
Pittosporum sp.	Bermuda			1	Maryland.
Syzygium cumini (jambolan-plum)	Philippines	1			California.*
Puto mexicanus (Ckll.) (?) (Coccidae):					
Laelia sp. (orchid)	Mexico			1	Texas.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Beta vulgaris (beet)	Italy		1		Do.
Corylus avellana (filbert)	do			1	New Jersey.
Sorghum vulgare technicum (broomcorn)	France, Hungary, Italy.	18			Maryland, Massachusetts, New York, Pennsylvania.
Zea mays (corn)	France	1	1	1	California*, New York, Texas.
Quichuana calathea Shannon (Syrphidae):					
Tillandsia sp.	Mexico			1	Texas.
Renocis mexicanus Blkm. (Scolytidae):					
Wood	do	1			Washington.
Rhabdoscelus obscurus (Boisd.) (Curculionidae):					
Saccharum officinarum (sugarcane)	American Samoa	1			Hawaii.
Rhagoletis alternata (Fall.) (Tephritidae):					
Rosa sp. (rose)	Sweden	1			New York.
Rhagoletis alternata (Fall.) (?) (Tephritidae):					
Rosa sp. (rose)	Austria, Sweden.	1		1	New York, Washington.
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	France, Germany, Italy, Portugal, unknown.	3	5		Massachusetts, New York.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Prunus sp. (cherry)	France, Italy, Portugal, Spain.		4		Massachusetts, New York.
Rhagoletis juglandis Cress. (?) (Tephritidae):					
Juglans sp. (walnut)	Mexico	1			Texas.
Rhagoletis pomonella (Walsh) (Tephritidae):					
Crataegus sp. (red haw)	do	1			Do.
Malus sylvestris (apple)	Mexico, unknown.	8	1		New York, Texas.
Rhagoletis striatella Wulp (Tephritidae):					
Physalis sp. (husk tomato)	Mexico	1			Texas.
Rhinoncus pyrrhopus Boh. (Curculionidae):					
Armeria sp. (statice)	do	1			Do.
Rhipibruchus leiboldi (Philippi) (Bruchidae):					
Prosopis sp.	Argentina			1	District of Columbia.
Rhipibruchus picturatus (Fahr.) (Bruchidae):					
Prosopis alba	do			2	District of Columbia, Oregon.
Prosopis sp.	do			1	Washington.
Rhopalosiphoninus tulipaellus (Theob.) (Aphidae):					
Tulipa sp. (tulip)	Netherlands			1	New York.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba	25			Louisiana, New York, Texas.
Ripersiella palestineae Hambl. (Coccidae):					
Arum sp.	Palestine			1	District of Columbia.
Iris sp.	do			1	Do.
Sternbergia sp.	do			1	Do.
Saldula saltatoria (L.) (Saldidae):					
Soil and moss packing	Ireland			1	New York.
Scolopostethus affinis (Schilling) (Lygaeidae):					
Soil around rhododendrons	England			1	Washington.
Scolytus intricatus (Ratz.) (Scolytidae):					
Quercus sp. (oak)	do	1			New York.
Sesamia cretica (Led.) (Phalaenidae):					
Sorghum vulgare technicum (broomcorn)	France, Italy	23			Maryland, New York.
Sesamia vuteria (Stoll) (Phalaenidae):					
Sorghum vulgare technicum (broomcorn)	Morocco, Portugal.	3			New York.
Sibine stimulea (Clem.) (Limacodidae):					
Musa paradisiaca sapientum (banana)	Costa Rica	1			California.*
Sinoxylon anale Lesne (Bostrichidae):					
Wood	India	2			New York.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Cocos nucifera (coconut)	Hawaii.	1			Hawaii.
Wood	Ceylon, India.	21			New York.
Sinoxylon sexdentatum (Oliv.) (Bostrichidae):					
Leguminosae (?)	Algeria	1			Pennsylvania.
Wood staves	do	2			Do.
Sisamnes contractus Dist. (Lygaeidae):					
Ananas comosus (pineapple)	Mexico	14			Texas.
Sitona humeralis Steph. (Curculionidae):					
Allium sativum (garlic)	Italy	1			New York.
Lilium sp. (lily)	do			1	Do.
Rosa sp. (rose)	do			1	Do.
Vitis sp. (grape)	do	1			Do.
Sitona lineata (L.) (Curculionidae):					
Apium graveolens (celery)	Netherlands.		1		Pennsylvania.
Narcissus sp.	do			1	New York.
Rhododendron sp.	do			1	New Jersey.

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		Consumption	Nonentry	Propagation	
Sixeonotus luteiceps Reuter (Miridae):					
Cactus	Mexico			1	Texas.
Flower	do	1			Do.
Mammillaria sp. (cactus)	do			1	Do.
Succulent plant	do			1	Arizona.
Sparteus villosus (F.) (Bruchidae):					
Cytisus purpureus (purple broom)	Italy			2	New Jersey.
Cytisus scoparius (Scotch broom)	do			1	Do.
Cytisus sp.	Austria			1	Washington.
Laburnum anagyroides (goldenchain)	Italy			1	New Jersey.
Spartium junceum (weavers-broom)	do			1	Do.
Specularius impressithorax (Pic) (Bruchidae):					
Erythrina tomentosa	Kenya			1	Do.
Spermophagus cardui (Boh.) (Bruchidae):					
Convolvulus arvensis	Turkey			1	District of Columbia.
Sphenarches caffer (Zell.) (Pterophoridae):					
Cajanus cajan (pigeonpea)	Puerto Rico	5			New York.
Spintherus leguminum Ratz. (Pteromalidae):					
Astragalus sp.	Turkey			1	District of Columbia.
Stenoma anonella Sepp. (Stenomidae):					
Annona muricata (soursop)	Panama	1			Florida.*
Annona sp.	Salvador	1			Louisiana.
Stenoma catenifer (Wlsm.) (Stenomidae):					
Persea americana (avocado)	Brazil, British West Indies Colombia, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Salvador, Venezuela.	19	12		Alabama, California*, Florida*, Louisiana, Massachusetts, New York, Texas.
Persea schiedeana (coyo avocado)	Honduras			1	Florida.
Stephanitis pyrioides Scott (Tingidae):					
Rhododendron sp.	Japan			1	California.*
Stephanoderes buscki Hopk. (Scolytidae):					
Myristica fragrans (nutmeg)	British West Indies.	1			New York.
Stephanoderes hampei (Ferr.) (Scolytidae):					
Coffea sp. (coffee)	Brazil		1		Do.
Stephanoderes lecontei Hopk. (Scolytidae):					
Musa paradisiaca sapientum (banana)	Guatemala	1			South Carolina.
Poinciana sp. (?)	Mexico	1			Texas.
Saccharum officinarum (sugarcane)	do	1			Do.
Seed pod	do	1			Do.
Strophosoma melanogramma Forst. (Curculionidae):					
Woods moss	Germany			1	New Jersey.
Systole geniculata Foerst. (Eurytomidae):					
Anethum graveolens (dill)	India (?)		1		Pennsylvania.
Petroselinum crispum (parsley)	Mexico	1			Arizona.
Taeniothrips atratus (Hal.) (Thripidae):					
Aster sp.	Switzerland		1		New York.
Dianthus sp. (carnation)	Sweden	1			Massachusetts.
Lathyrus odoratus (sweet pea)	Scotland, Sweden.		2		New York.
Rosa sp. (rose)	Sweden	1			Do.
Taeniothrips dianthi Pr. (Thripidae):					
Dianthus sp. (carnation)	Unknown		1		Do.
Taeniothrips gracilis Mlt. (Thripidae):					
Lycoris sp.	China			1	New Jersey.
Vanda sp. (orchid)	India			1	Do.

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Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Bougainvillea sp.	Hawaii	2			California.*
Canavalia sp.	do	7			Do.
Dianthus sp. (carnation)	do	6			Do.
Flower lei	do	1			Do.
Gardenia augusta (gardenia)	do	1			Do.
Taeniothrips simplex (Mor.) (Thripidae):					
Dianthus sp. (carnation)	Guatemala, Mexico, Peru.	2	1		Louisiana, Texas.
Gladiolus sp.	Cuba, Mexico, Netherlands, New Zealand, Peru, Venezuela.	10	3	5	California*, Louisiana, New Jersey, New York, Texas, Washington.
Ornithogalum thyrsoides (chinkerichee)	Cape of Good Hope.			1	New Jersey.
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Mexico	2			Texas.
Tanymecus confusus Say (Curculionidae):					
Ananas comosus (pineapple)	do	1			Do.
"Targionia" bromiliae (Leon.) (Coccidae):					
Ananas comosus (pineapple)	Cuba, Hawaii, Mexico.	40			California*, New York, Texas.
"Targionia" hartii (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	American Virgin Islands, Barbados, China, Nevis, St. Kitts, West Indies.	6			Hawaii, Massachusetts, New York.
"Targionia" sacchari (Ckll.) (Coccidae):					
Cymbopogon citratus (lemon grass)	Jamaica	1			Florida.*
Gramineae	Guam			1	California.*
Pennisetum purpureum (napier grass)	Trinidad			1	New Jersey.
Saccharum officinarum (sugarcane)	Puerto Rico	2			New York, Virginia.
Targionia vitis (Sign.) (Coccidae):					
Vitis sp. (grape)	Italy			1	Michigan.
Tenthecoris angustimarginatus Hsiao & Sailer (Miridae):					
Laelia sp. (orchid)	Mexico			2	Texas.
Orchid	do			10	Do.
Tenthecoris bicolor Scott (Miridae):					
Cattleya sp. (orchid)	Brazil			1	New Jersey.
Orchid	do			1	Puerto Rico.
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Cattleya sp. (orchid)	Honduras			1	Texas.
Laelia anceps (orchid)	Mexico	1			Do.
Laelia sp.	do			1	Do.
Orchid	do			10	Do.
Tenthecoris distinctus Hsiao & Sailer (Miridae):					
Cycnoches chlorochilon (orchid)	Canal Zone			1	Florida.
Orchid	Mexico			14	Texas.
Tenthecoris distinguendus Hsiao & Sailer (Miridae):					
Orchid	Costa Rica			1	Florida.
Tenthecoris exitiosus (Dist.) (Miridae):					
Cattleya sp. (orchid)	Colombia			1	Texas.
Tenthecoris venezuelensis Hsiao & Sailer (Miridae):					
Cattleya sp. (orchid)	Venezuela			5	New Jersey, Texas.
Orchid	do			4	Florida, New Jersey, New York.
Tenthecoris vestitus (Dist.) (Miridae):					
Epidendrum fragrans (orchid)	Guatemala			1	California.*

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		Consumption	Nonentry	Propagation	
Tenthecoris vestitus—Continued					
Odontoglossum pulchellum (orchid)					
Oncidium bicallosum (orchid)	---do			1	California.*
Termes hispaniolae (Banks) (Termitidae):	---do			1	Do.
Chlorophora tinctoria (fustictree)					
Tetraleurodes hederae Goux (Aleyrodidae):	Colombia	1			New York.
Hedera canariensis var. *variegata*					
Tetraleurodes mori (Q.) (Aleyrodidae):	France			1	New Jersey.
Citrus aurantifolia (sour lime)					
Citrus sinensis (orange)	Mexico	1			Texas.
Citrus sp.	---do	6			Do.
Leaf	---do	9			Do.
Nerium oleander (oleander)	---do			1	Arizona.
Psidium guajava (guava)	---do	1			Do.
Tetraprioceria longicornis (Oliv.) (Bostrichidae):	---do	1		1	Do.
Ananas comosus (pineapple)					
Thamnophthorus schwarzi Blkm. (Scolytidae):	---do	1			Texas.
Persea americana (avocado)					
Thrips angusticeps Uzel (Thripidae):	---do	2			Do.
Cichorium intybus (chicory)					
Thrips flavus Schr. (Thripidae):	France		1		New York.
Dianthus sp. (carnation)					
Phlox sp.	Norway	1			Do.
Rosa sp. (rose)	England			1	New Jersey.
Rudbeckia sp.	Germany	1			New York.
Thrips fuscipennis Hal. (Thripidae):	Denmark		1		Do.
Aster sp.					
Rudbeckia sp.	Switzerland		1		Do.
Thrips hawaiiensis (Morg.) (Thripidae):	Denmark		1		Do.
Vanda sp. (orchid)					
Thrips nigropilosus Uzel (Thripidae):	Hawaii	1			Hawaii.
Aster sp.					
Thrips trehernei Pr. (Thripidae):	England			1	New Jersey.
Dianthus sp. (carnation)					
Tomaspis postica Wlk. (Cercopidae):	British Columbia.	1			Minnesota.
Saccharum officinarum (sugarcane)					
Tomoplagia obliqua (Say) (Tephritidae):	Mexico	1			Arizona.
Airplane					
Trapezonotus arenarius (L.) (Lygaeidae):	---do		1		Texas.
Soil					
Woods moss around rose cutting	France			1	New York.
Trialeurodes lauri (Sign.) (Aleyrodidae):	Germany			1	New Jersey.
Laurus sp.					
Trialeurodes vaporariorum (Westw.) (Aleyrodidae):	Italy	2			New York.
Herb					
Jasminum polyanthum	Mexico	1			Texas.
Rosa sp. (rose)	England			1	California.*
Trichobaris mucorea (Lec.) (Curculionidae):	Mexico			1	Texas.
Solanum melongena (eggplant)					
Trionymus lounsburyi Brain (Coccidae):	---do	1			Arizona.
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa.			1	New Jersey.
Trioza anceps Tuth. (Psyllidae):					
Leaf	Mexico	1			Texas.
Trochuda raspa (Druce) (Pericopidae):					
Orchid	---do			1	Do.
Trupanea pentziana Munro (Tephritidae):					
Pentzia spinescens	Pretoria			1	District of Columbia.
Tychius inermis Csy. (Curculionidae):					
Tillandsia usneoides (Spanish moss)					
Ulopa reticulata (F.) (Cicadellidae):	Mexico	1			Texas.
Calluna vulgaris (heather)					
Unaspis citri (Comst.) (Coccidae):	Scotland			1	Washington.
Citrus paradisi (grapefruit)					
Citrus reticulata (tangerine)	Panama		1		California.*
	Brazil		1		New York.

List of pests (insects) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Unaspis citri—Continued					
Citrus sinensis (orange)	Argentina, Brazil, Mexico, Panama, Trinidad.		5		California*, Florida.*
Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus reticulata (tangerine)	Japan		3		California.*
Valtissus diversus (Dist.) (Lygaeidae):					
Orchid	Mexico			1	Texas.
Vesiculaphis caricis (Full.) (Aphidae):					
Rhododendron sp.	Japan			1	Washington.
Vinsonia stellifera (Westw.) (Coccidae):					
Aspasia sp. (orchid)	Canal Zone			1	Texas.
Brassia caudata (orchid)	do			1	California.*
Bromeliad	do			2	California*, New Jersey.
Cattleya sp. (orchid)	Venezuela			1	New Jersey.
Cycnoches chlorochilon (orchid)	Canal Zone			1	Florida.
Izora sp.	Trinidad			1	Do.
Oncidium confusum (orchid)	Canal Zone			2	Hawaii, Texas.
Orchid	Canal Zone, Jamaica.			5	California*, Florida.
Renanthera sp. (orchid)	Straits Settlements.			1	New Jersey.
Xyleborus affinis Eichh. (Scolytidae):					
Log	Costa Rica	2			South Carolina.
Xylomeira torquata (F.) (Bostrichidae):					
Agrostis alba (redtop)	Mexico	1			Texas.
Ananas comosus (pineapple)	do	1			Do.
Xylopsocus capucinus (F.) (Bostrichidae):					
Derris sp.	China	1			New York.
Xylosandrus morigerus (Bldfd.) (Scolytidae):					
Dendrobium phalaenopsis (orchid)	Australia			1	California.*
Xylothrips flavipes (Ill.) (Bostrichidae):					
Wood	Ceylon	1			New York.
Zabrotes subfasciatus (Boh.) (Bruchidae):					
Airplane	Honduras		1		Texas.
Bean	Cuba, England, Mexico, Netherlands, Portugal, Puerto Rico, Venezuela.	5	4		District of Columbia, Missouri, New York, Texas.
Cajanus cajan (pigeonpea)	Guatemala			2	District of Columbia.
Chrysanthemum sp.	Mexico	1			Texas.
Lycopersicon esculentum (tomato)	do	1			Do.
Phaseolus lunatus (sieva bean)	Guatemala			1	District of Columbia.
Phaseolus lunatus macrocarpus (lima bean)	Argentina		1		Texas.
Phaseolus vulgaris (kidney bean)	India			1	District of Columbia.
Phaseolus sp.	Mexico, Puerto Rico.	1	1		California*, New York.
Zale sabena (Schaus) (Phalaenidae):					
Orchid	Mexico			1	Texas.

ABIES:
Aspidiotus abietis (Homoptera)
ACACIA:
Algarobius ceratioborus (Coleoptera)
Dendrobiella sericans (Coleoptera)
Mimosestes dominicanus (Coleoptera)
ACER:
Ceroplastes ceriferus (Homoptera)
Parlatoria theae (Homoptera)
ACHRAS:
Anastrepha serpentina (Diptera)
Aspidiotus diffinis (Homoptera)
Asterolecanium pustulans (Homoptera)
AGAVE:
Crophius scabrosus (Coleoptera)
Monomorium destructor (Hymenoptera)
AGROSTIS:
Xylomeira torquata (Coleoptera)
ALLIUM CEPA:
Acrolepia assectella (Lepidoptera)
Lygaeus consanguinitus (Coleoptera)
Myzus ascalonicus (Homoptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
ALLIUM SATIVUM:
Brachycerus albidentatus (Coleoptera)
Brachycerus algirus (Coleoptera)
Listroderes aequivocus (Coleoptera)
Sitona humeralis (Coleoptera)
ALOE:
"*Chionaspis*" *exalbida* (Homoptera)
"*Chionaspis*" *humilis* (Homoptera)
ALYXIA:
Ceroplastes rubens (Homoptera)
Eucalymnatus tessellatus (Homoptera)
ANANAS:
Acrosticta mexicana (Diptera)
Alpheias conspirata (Lepidoptera)
Chalcodermus dentiferus (Coleoptera)
Clerada apicornis (Coleoptera)
Genopaschia protomis (Lepidoptera)
Horistonotus dilaticornis (Coleoptera)
Horistonotus rufiventris (Coleoptera)
Hypolithus pectoralis (Coleoptera)
Ligyrocoris litigiosus (Hemiptera)
Monomorium destructor (Hymenoptera)
Pheidole megacephala (Hymenoptera)
Platynota rostrana (Lepidoptera)
Platypus rugulosus (Coleoptera)
Ribua innoxia (Lepidoptera)
Sisamnes contractus (Hemiptera)
Tanymecus confusus (Coleoptera)
"*Targionia*" *bromiliae* (Homoptera)
Tetraprioceta longicornis (Coleoptera)
Xylomeira torquata (Coleoptera)
ANEMONE:
Anuraphis tulipae (Homoptera)
ANETHUM:
Systole geniculata (Hymenoptera)
ANNONA:
Aleurotrachelus trachoides (Homoptera)
Anastrepha fraterculus (?) (Diptera)
Anastrepha ludens (Diptera)
Coccotrypes carpophagus (Coleoptera)
Stenoma anonella (Lepidoptera)
Talponia batesi (Lepidoptera)
ANTHURIUM:
Asterolecanium epidendri (Homoptera)
Ceroplastes rubens (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Pinnaspis buxi (Homoptera)
Pulvinaria psidii (Homoptera)
ANTIDESMA:
Protopulvinaria longivalvata (Homoptera)
ANTIRRHINUM:
Frankliniella insularis (Thysanoptera)
APIUM:
Euleia heraclei (Diptera)
Psila rosae (Diptera)
Sitona lineata (Coleoptera)
ARMERIA:
Rhinoncus pyrrhopus (Coleoptera)
ARUM:
Ripersiella palestineae (Homoptera)
ARUNDINA:
Pseudischnaspis acephala (Homoptera
ASPASIA:
Vinsonia stellifera (Homoptera)

ASTER:
Prodenia eridania (Lepidoptera)
Taeniothrips atratus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips nigropilosus (Thysanoptera)
ASTILBE:
Brachyrhinus sulcatus (Coleoptera)
ASTRAGALUS:
Spintherus leguminum (Hymenoptera)
AUCUBA:
Parlatoria camelliae (Homoptera)
BAMBOO:
Asterolecanium bambusae (Homoptera)
Dinoderus brevis (Coleoptera)
Heterobostrychus aequalis (Coleoptera)
BETA:
Aeoloides grisescens (Coleoptera)
Lixus junci (Coleoptera)
Megasternum boletophagum (Coleoptera)
Platynota stultana (Lepidoptera)
Polia oleracea (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
BOUGAINVILLEA:
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
BRACHYCHITON:
Doratifera oxleyi (Lepidoptera)
BRASSAVOLA:
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
BRASSIA:
Vinsonia stellifera (Homoptera)
BRASSICA OLERACEA BOTRYTIS:
Leptophobia aripa (Lepidoptera)
Lygus fraudentus (Hemiptera)
Mamestra brassicae (Lepidoptera)
BRASSICA OLERACEA CAPITATA:
Diabrotica speciosa (Coleoptera)
Eurydema ornatum (Hemiptera)
Evergestis forficalis (Lepidoptera)
Evergestis rimosalis (Lepidoptera)
Hellula phidilealis (Lepidoptera)
Mamestra brassicae (Lepidoptera)
BRASSICA RAPA:
Hellula phidilealis (Lepidoptera)
BRASSICA SP. (mustard)
Glyphonyx quadricollis (Coleoptera)
BROMELIAD:
Chelymorpha biannularis (Coleoptera)
Epilachna variestis (Coleoptera)
Lygaeus vittiscutis (Hemiptera)
Monanthia monotropidia (Hemiptera)
Ozophora consanguineus (Hemiptera)
Vinsonia stellifera (Homoptera)
BROWNEA:
Dercynus micronyx (Coleoptera)
BRYOPHYLLUM:
Coccus viridis (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
CACTUS:
Icerya palmeri (Homoptera)
Lepidosaphes philococcus (Homoptera)
Mimorista flavidissimalis (Lepidoptera)
Pseudodiaspis yuccae (Homoptera)
Sixeonotus luteiceps (Hemiptera)
CAESALPINIA:
Algarobius ceratioborus (Coleoptera)
CAJANUS:
Acanthoscelides armitagei (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Cryptocephalus nigrocinctus (Coleoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Monomorium destructor (Hymenoptera)
Neodryocoetes guianae (Coleoptera)
Sphenarches caffer (Lepidoptera)
Zabroles subfasciatus (Coleoptera)
CALLUNA:
Dalopius marginatus (Coleoptera)
Gelechia ericetella (Lepidoptera)
Micrelus ericae (Coleoptera)
Ulopa reticulata (Homoptera)
CALOCARPUM:
Anastrepha serpentina (Diptera)
CAMELLIA:
Aleurotrachelus camelliae (Homoptera)

CAMELLIA—Continued
Aspidiotus degeneratus (Homoptera)
Ceroplastes rubens (Homoptera)
Coptosoma cribraria (Hemiptera)
Parlatoria camelliae (Homoptera)
CANANGIUM:
Aonidiella citrina (Homoptera)
CANAVALIA:
Haplothrips gowdeyi (Thysanoptera)
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Taeniothrips hawaiiensis (Thysanoptera)
CAPSICUM:
Arvelius albopunctatus (Hemiptera)
Dysdercus mimulus (Hemiptera)
Gnorimoschema gudmannella (Lepidoptera)
Lineodes triangularis (Lepidoptera)
Liriomyza pusilla (Diptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)
CARICA:
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
CASSIA:
Caryedon fuscus (Coleoptera)
CASTANEA:
Hemimene juliana (Lepidoptera)
Laspeyresia splendana (Lepidoptera)
CATASETUM:
Asterolecanium epidendri (Homoptera)
Ferrisiana virgata (Homoptera)
CATTLEYA:
Asterolecanium epidendri (Homoptera)
Calligrapha elegantula (Coleoptera)
Chrysomphalus tenax (Homoptera)
Coccus pseudohesperidum (Homoptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Mordellistena cattleyana (Coleoptera)
Pseudischnaspis alienus (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenthecoris exiliosus (Hemiptera)
Tenthecoris venezuelensis (Hemiptera)
Vinsonia stellifera (Homoptera)
CEDRUS:
Gastrodes pacificus (Hemiptera)
Physorrhinus distigma cephalicus (Coleoptera)
CEIBA:
Platypus rugulosus (Coleoptera)
CERATONIA:
Myelois ceratoniae (Lepidoptera)
Myelois notatalis (Lepidoptera)
CERCIDIUM:
Phelomerus germaini (Coleoptera)
CHAENOMELES:
Ceroplastes japonicus (Homoptera)
Ceroplastes rubens (Homoptera)
CHLOROPHORA:
Termes hispaniolae (Isoptera)
CHRYSANTHEMUM:
Anuraphis helichrysi (Homoptera)
Camirus conicus (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Loxostege similalis (Lepidoptera)
Lygus oblineatus (Hemiptera)
Prodenia eridania (Lepidoptera)
Psila rosae (Diptera)
Zabrotes subfasciatus (Coleoptera)
CHRYSOPHYLLUM:
Anastrepha serpentina (Diptera)
CICER:
Callosobruchus analis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
CICHORIUM:
Phytomyza atricornis (Diptera)
Thrips angusticeps (Thysanoptera)
CIRRHOPETALUM:
Pinnaspis buxi (Homoptera)
CISTUS:
Bruchidius biguttatus fulvipennis (Coleoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Aonidiella comperei (Homoptera)
Aspidiotus excisus (Homoptera)

CITRUS AURANTIFOLIA—Continued
Aspidiotus palmae (Homoptera)
Chrysomphalus personatus (Homoptera)
Coccus viridis (Homoptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria citri (Homoptera)
Parlatoria zizyphus (Homoptera)
Tetraleurodes mori (Homoptera)
CITRUS AURANTIUM:
Anastrepha ludens (Diptera)
CITRUS GRANDIS:
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
CITRUS LIMON:
Ceratitis capitata (?) (Diptera)
Morganella longispina (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
CITRUS PARADISI:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
Aonidiella citrina (Homoptera)
Ceratitis capitata (Diptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
CITRUS RETICULATA:
Anastrepha ludens (Diptera)
Aonidiella inornata (Homoptera)
Ceratitis capitata (Diptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
Anastrepha suspensa (Diptera)
Aspidiotus palmae (Homoptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Gymnandrosoma aurantianum (Lepidoptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Myelois ceratoniae (Lepidoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Tetraleurodes mori (Homoptera)
Unaspis citri (Homoptera)
CITRUS TANKAN:
Coccus viridis (Homoptera)
CITRUS SP.:
Dialeurodes citri (Homoptera)
Tetraleurodes mori (Homoptera)
COCOS:
Achatina fulica (Mollusca)
Aonidiella inornata (Homoptera)
Aspidiotus coryphae (Homoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus spinosus (Homoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus personatus (Homoptera)
Dacus dorsalis (Diptera)
Diocalandra taitensis (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Ferrisiana virgata (Homoptera)
"Lepidosaphes" esakii (Homoptera)
Lepidosaphes tubulorum (?) (Homoptera)
Leucaspis cockerelli (Homoptera)
Phenacaspis sandwicensis (?) (Homoptera)
Pseudococcus palmarum (Homoptera)
Sinoxylon conigerum (Coleoptera)
CODIAEUM:
Ferrisiana virgata (Homoptera)
Lepidosaphes tokionis (Homoptera)
Parlatoria crotonis (Homoptera)
COELOGYNE:
Lepidosaphes tuberculata (Homoptera)
Monomorium destructor (Hymenoptera)
COFFEA:
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)

COFFEA—Continued
Stephanoderes hampei (Coleoptera)
COLCHICUM:
Forficula auricularia (Dermaptera)
COLEUS:
Phenacoccus gossypii (Homoptera)
CONVOLVULUS:
Spermophagus cardui (Coleoptera)
CORDIA:
Algarobius ceratioborus (Coleoptera)
Aonidiella citrina (Homoptera)
CORDYLINE:
Callosobruchus chinensis (Coleoptera)
CORYLUS:
Pyrausta nubilalis (Lepidoptera)
CORYPHANTHA:
Gerstaeckeria mutillaris (Coleoptera)
CRASSULA:
"Chionaspis" indigoferae (Homoptera)
CRATAEGUS:
Ceroplastes ceriferus (Homoptera)
Grapholitha packardi (Lepidoptera)
Rhagoletis pomonella (Diptera)
CROCUS:
Anuraphis tulipae (Homoptera)
Forficula auricularia (Dermaptera)
CUCUMIS:
Dacus cucurbitae (Diptera)
Diaphania hyalinata (Lepidoptera)
Diaphania nitidalis (Lepidoptera)
CUCURBITA:
Dacus cucurbitae (Diptera)
Diaphania hyalinata (Lepidoptera)
Diaphania nitidalis (Lepidoptera)
CUPRESSUS:
Anomala rufocuprea viridiaenea (Coleoptera)
Aspidiotus pseudomeyeri (Homoptera)
Lepidosaphes pallida (Homoptera)
Ptochoryctis tsugensis (?) (Lepidoptera)
CYATHEACEAE:
Poecilips persicae (Coleoptera)
CYBISTAX:
Brentus anchorago (Coleoptera)
CYCNOCHES:
Tenthecoris distinctus (Hemiptera)
Vinsonia stellifera (Homoptera)
CYDONIA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Parlatoria chinensis (Homoptera)
CYMBIDIUM:
Forficula auricularia (Dermaptera)
Lepidosaphes tuberculata (Homoptera)
Monomorium destructor (Hymenoptera)
Pseudaonidia curculiginis (Homoptera)
CYMBOPOGON:
"Targionia" sacchari (Homoptera)
CYNARA:
Apion carduorum (Coleoptera)
Gortyna flavago (Lepidoptera)
CYPRIPEDIUM:
Coccus capparidis (Homoptera)
CYTISUS:
Bruchidius lividimanus (Coleoptera)
Sparteus villosus (Coleoptera)
DAHLIA:
Iridomyrmex humilis (Hymenoptera)
DANTHONIA:
Chirothrips manicatus (Thysanoptera)
DAUCUS:
Phalonia zephyrana (Lepidoptera)
Psila rosae (Diptera)
DENDROBIUM:
Asterolecanium epidendri (Homoptera)
Lepidosaphes tuberculata (Homoptera)
Leucaspis cockerelli (Homoptera)
Monomorium destructor (Hymenoptera)
Morganella longispina (Homoptera)
Pinnaspis buxi (Homoptera)
Xylosandrus morigerus (Coleoptera)
DERRIS:
Xylopsocus capucinus (Coleoptera)
DIANTHUS:
Haplothrips cottei (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Pachybrachius luridus (Hemiptera)
Taeniothrips atratus (Thysanoptera)
DIANTHUS—Continued
Taeniothrips dianthi (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips trehernei (Thysanoptera)
DIOSCOREA:
Iridomyrmex humilis (Hymenoptera)
"Targionia" hartii (Homoptera)
DIOSPYROS:
Aspidiotus spinosus (Homoptera)
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
Lepidosaphes conchiformis (Homoptera)
DOLICHOS:
Callosobruchus chinensis (Coleoptera)
Callosobruchus phaseoli (Coleoptera)
ECHEVERIA:
Eumysia stigmella (Lepidoptera)
ELETTARIA:
Ferrisiana virgata (Homoptera)
EPIDENDRUM:
Ferrisiana virgata (Homoptera)
Furcaspis biformis (Homoptera)
Mordellistena cattleyana (Coleoptera)
Tenthecoris vestitus (Hemiptera)
ERICA:
Aeolothrips brevicornis (Thysanoptera)
Homothrips distinctus (Thysanoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
ERIOCEPHALUS:
Paroxyna sororcula (Diptera)
ERYTHRINA:
Specularius impressithorax (Coleoptera)
EUGENIA:
Protopulvinaria longivalvata (Homoptera)
FICUS:
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Dacus dorsalis (?) (Diptera)
Gynaikothrips ficorum (Thysanoptera)
Lepidosaphes ficus (Homoptera)
Pulvinaria psidii (Homoptera)
FRAGARIA:
Barypeithes araneiformis (Coleoptera)
FRAXINUS:
Lesperisinus fraxini (Coleoptera)
GARCINIA:
Dacus dorsalis (Diptera)
GARDENIA:
Aleuroparadoxus gardeniae (Homoptera)
Amorbia emigratella (Lepidoptera)
Chrysomphalus scutiformis (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Ferrisiana virgata (Homoptera)
Protopulvinaria longivalvata (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GLADIOLUS:
Plesiommata mollicella (Homoptera)
Taeniothrips simplex (Thysanoptera)
GLOTTIPHYLUM:
Parlatoria pittospori (Homoptera)
GLYCINE:
Callosobruchus chinensis (Coleoptera)
GOSSYPIUM:
Pectinophora gossypiella (Lepidoptera)
GUAJACUM:
Neoclytus cacicus (Coleoptera)
GYPSOPHILA:
Liriomyza pusilla (Diptera)
HAWORTHIA:
"Chionaspis" exalbida (Homoptera)
Parlatoria pittospori (Homoptera)
HEDERA:
Tetraleurodes hederae (Homoptera)
HELICONIA:
Dacus dorsalis (Diptera)
HEURNIA:
Asterolecanium stentae (Homoptera)
"Chionaspis" indigoferae (Homoptera)
HIBISCUS:
Adoretus sinicus (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Crocidosema plebeiana (Lepidoptera)

HIBISCUS—Continued
Monomorium destructor (Hymenoptera)
Parlatoria fluggeae (Homoptera)
Pealius hibisci (Homoptera)
Pectinophora gossypiella (Lepidoptera)
Pseudaonidia tesserata (Homoptera)
HORDEUM:
Nysius simulans (Hemiptera)
HYDRANGEA:
Forficula auricularia (Dermaptera)
ILEX:
Lygus elisus (Hemiptera)
IPOMOEA:
Adoretus sinicus (Coleoptera)
Alcidodes dentipes (Coleoptera)
Araecerus vieillardi (Coleoptera)
Cylas femoralis (Coleoptera)
Cylas formicarius (Coleoptera)
Cylas formicarius elegantulus (Coleoptera)
Cylas puncticollis (Coleoptera)
Euscepes postfasciatus (Coleoptera)
Graptostethus servus (Hemiptera)
Megacerus contaminatus (Coleoptera)
IRIS:
Anuraphis tulipae (Homoptera)
Forficula auricularia (Dermaptera)
Ripersiella palestineae (Homoptera)
IXORA:
Pseudaonidia trilobitiformis (Homoptera)
Vinsonia stellifera (Homoptera)
JASMINUM:
Aonidiella inornata (Homoptera)
Asterolecanium pustulans (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Trialeurodes vaporariorum (Homoptera)
JUGLANS:
Rhagoletis juglandis (?) (Diptera)
JUNIPERUS:
Cryptoparlatoria leucaspis (Homoptera)
Kalotermes bequaerti (Isoptera)
Lepidosaphes pallida (Homoptera)
KERRIA:
Allantus cinctus (Hymenoptera)
LABURNUM:
Sparteus villosus (Coleoptera)
LAELIA:
Aspidiotus spinosus (Homoptera)
Asterolecanium epidendri (Homoptera)
Chrysomphalus nigropunctatus (Homoptera)
Conchaspis angraeci (Homoptera)
Diorymerellus laevimargo (Coleoptera)
Ferrisiana virgata (Homoptera)
Glyphonyx praecox (Coleoptera)
Icerya similis (Homoptera)
Mordellistena cattleyana (Coleoptera)
Ogdoecosta biannularis (Coleoptera)
Pseudischnaspis alienus (Homoptera)
Puto mexicanus (?) (Homoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris confusus (Hemiptera)
LATHYRUS:
Bruchus affinis (Coleoptera)
Bruchus tristiculus (Coleoptera)
Bruchus tristis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Taeniothrips atratus (Thysanoptera)
LAURUS:
Trialeurodes lauri (Homoptera)
LEERSIA:
Chilo simplex (?) (Lepidoptera)
LENS:
Bruchus ervi (Coleoptera)
Bruchus lentis (Coleoptera)
Bruchus signaticornis (Coleoptera)
LEUCADENDRON:
"Chionaspis" leucadendri (Homoptera)
Pseudococcus trichilae (Homoptera)
LEUCAENA:
Pantomorus godmani (Coleoptera)
LIBIDIBIA:
Mimosestes dominicanus (Coleoptera)
LILIUM:
Brachyrhinus meridionalis (Coleoptera)
Liothrips vaneeckei (Thysanoptera)
Prodenia eridania (Lepidoptera)
Sitona humeralis (Coleoptera)
LIMONIUM:
Haplothrips gowdeyi (Thysanoptera)
LITCHI:
Dacus dorsalis (Diptera)
LONCHOCARPUS:
Dinoderus bifoveolatus (Coleoptera)
LONICERA:
Protopulvinaria pyriformis (Homoptera)
LYCASTE:
Aspidiotus palmae (Homoptera)
Ferrisiana virgata (Homoptera)
LYCOPERSICON:
Aphanus umbrosus (Hemiptera)
Arvelius albopunctatus (Hemiptera)
Ceratitis capitata (Diptera)
Dacus cucurbitae (Diptera)
Dacus dorsalis (Diptera)
Dysdercus mimulus (Hemiptera)
Eucalandra setulosa (Coleoptera)
Euxesta annonae (Diptera)
Exptochiomera oblonga (Hemiptera)
Jadera sanguinolenta (Hemiptera)
Ligyrocoris abdominalis (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Lineodes integra (Lepidoptera)
Liriomyza pusilla (Diptera)
Lygaeus vittiscutis (Hemiptera)
Myodocha longicollis (Hemiptera)
Neoleucinodes elegantalis (Lepidoptera)
Pachyzancla perusalis (Lepidoptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)
Prodenia eridania (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
LYCORIS:
Taeniothrips gracilis (Thysanoptera)
MACADAMIA:
Clerada apicornis (Hemiptera)
MAGNOLIA:
Allantus cinctus (Hymenoptera)
MALUS:
Anastrepha ludens (Diptera)
Argyresthia conjugella (Lepidoptera)
Argyrotaenia franciscana (?) (Lepidoptera)
Ceratitis capitata (Diptera)
Ceroplastes ceriferus (Homoptera)
Chrysoclista atra (Lepidoptera)
Epidiaspis piricola (Homoptera)
Grapholitha molesta (Lepidoptera)
Parlatoria oleae (Homoptera)
Rhagoletis pomonella (Diptera)
MAMMEA:
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
Aspidiotus destructor (Homoptera)
MAMMILLARIA:
Ferrisiana virgata (Homoptera)
Gerstaeckeria mutillaria (Coleoptera)
Sixeonotus luteiceps (Hemiptera)
MANGIFERA:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (Diptera)
Cryptorhynchus mangiferae (Coleoptera)
Dacus dorsalis (Diptera)
MESEMBRYANTHEMUM:
Haplothrips gowdeyi (Thysanoptera)
MESPILUS:
Ceratitis capitata (Diptera)
Parlatoria oleae (Homoptera)
MONSTERA:
Chrysomphalus tenax (Homoptera)
Ferrisiana virgata (Homoptera)
MUSA:
Aonidiella inornata (Homoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus palmae (Homoptera)
Aspidiotus spinosus (Homoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Cosmopolites sordidus (Coleoptera)
Dacus dorsalis (Diptera)
Furcaspis oceanica (Homoptera)
Lygaeus pulchellus (Hemiptera)
Metamasius sericeus (Coleoptera)
Nasutitermes corniger (Isoptera)

MUSA—Continued
Pachycoris torridus (Hemiptera)
Platycarenus humilis (Hemiptera)
Platycarenus notulatus (Hemiptera)
Sibine stimulea (Lepidoptera)
Stephanoderes lecontei (Coleoptera)
MUSCARI:
Exosoma lusitanica (Coleoptera)
MYRISTICA:
Stephanoderes buscki (Coleoptera)
MYRTUS:
Aleurothrixus myrtacei (?) (Homoptera)
NARCISSUS:
Forficula auricularia (Dermaptera)
Lampetia equestris (Diptera)
Sitona lineata (Coleoptera)
NERIUM:
Asterolecanium pustulans (Homoptera)
Tetraleurodes mori (Homoptera)
OCHROMA:
Mimosestes dominicanus (Coleoptera)
OCHROSIA:
Dacus ochrosiae (?) (Diptera)
ODONTOGLOSSUM:
Furcaspis biformis (Homoptera)
Megapenthes cinnamomus (Coleoptera)
Tenthecoris vestitus (Hemiptera)
OLEA:
Dacus oleae (Diptera)
Parlatoria oleae (Homoptera)
Prays oleellus (?) (Lepidoptera)
ONCIDIUM:
Asterolecanium epidendri (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Furcaspis biformis (Homoptera)
Ligyrocoris abdominalis (Hemiptera)
Neocattarus vegetus (Hemiptera)
Tenthecoris vestitus (Hemiptera)
Vinsonia stellifera (Homoptera)
ONOBRYCHIS:
Eurytoma onobrychidis (Hymenoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
Leucocera quinquepunctata (Coleoptera)
ORCHID:
Acroleucus vicinalis (Hemiptera)
Adelocera longicornis (Coleoptera)
Agonosoma trilineata (Hemiptera)
Aleuroglandulus emmae (Homoptera)
Amphicerus cornutus (Coleoptera)
Anthonomus albolineatus (Coleoptera)
Anthonomus incanus (Coleoptera)
Asterolecanium epidendri (Homoptera)
Attelabus corvinus (Coleoptera)
Calligrapha argus (Coleoptera)
Camirus conicus (Hemiptera)
Chrysomphalus umboniferus (Homoptera)
Cligenes delineata (Hemiptera)
Coelosternus consputus (Coleoptera)
Conchaspis angraeci (Homoptera)
Crophius scabrosus (Hemiptera)
Cryphula apicatus (Hemiptera)
Deloyala guttata (Coleoptera)
Diorymerellus laevimargo (Coleoptera)
Eurytoma orchidearum (Hymenoptera)
Eutornus congener (Coleoptera)
Exptochiomera oblonga (Hemiptera)
Exptochiomera tumens (Hemiptera)
Ferrisiana virgata (Homoptera)
Fulvius anthocorides (Hemiptera)
Furcaspis biformis (Homoptera)
Lepidosaphes tuberculata (Homoptera)
Leucocera sexpunctatus (Coleoptera)
Lygaeus circumlinitus (Hemiptera)
Lygaeus circumplicatus (Hemiptera)
Lygaeus vittiscutis (Hemiptera)
Madarus distigma (Coleoptera)
Mecolaemus carvalhoi (Hemiptera)
Monomorium destructor (Hymenoptera)
Mordellistena cattleyana (Coleoptera)
Mordellistena rufonotata (Coleoptera)
Nasutitermes nigriceps (Isoptera)
Nysius basalis (Hemiptera)
Oedionychis lateralis (Coleoptera)
Oedionychis transversalis (Coleoptera)
Oosternum costatum (Coleoptera)
Orchidophilus peregrinator (Coleoptera)
Parlatoria pseudaspidiotus (Homoptera)

ORCHID—Continued
Phatnoma annulipes (Hemiptera)
Physonota humilis (Coleoptera)
Plagiodera thymaloides (Coleoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenthecoris distinctus (Hemiptera)
Tenthecoris distinguendus (Hemiptera)
Tenthecoris venezuelensis (Hemiptera)
Trochuda raspa (Lepidoptera)
Valtissus diversus (Hemiptera)
Vinsonia stellifera (Homoptera)
Zale sabena (Lepidoptera)
ORNITHOGALUM:
Haplothrips nigricornis (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
Trionymus lounsburyi (Homoptera)
ORYZA:
Chilo simplex (Lepidoptera)
PAEONIA:
Athous niger (Coleoptera)
PALM:
Aleuroplatus cococolus (Homoptera)
Aspidiotus destructor (Homoptera)
Parlatoria pittospori (Homoptera)
PASSIFLORA:
Ceratitis capitata (Diptera)
Iridomyrmex humilis (Hymenoptera)
PASTINACA:
Psila rosae (Diptera)
PENNISETUM:
Targionia sacchari (Homoptera)
PENTZIA:
Trupanea pentziana (Diptera)
PERISTERIA:
Conchaspis angraeci (Homoptera)
Ferrisiana virgata (Homoptera)
PERSEA:
Anastrepha ludens (Diptera)
Caulophilus latinasus (Coleoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus personatus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
Conotrachelus perseae (Coleoptera)
Cryptorhynchus mangiferae (Coleoptera)
Dacus dorsalis (Diptera)
Stenoma catenifer (Lepidoptera)
Thamnophthorus schwarzi (Coleoptera)
PETROSELINUM:
Systole geniculata (Hymenoptera)
PHALAENOPSIS:
Ferrisiana virgata (Homoptera)
Iridomyrmex humilis (Hymenoptera)
PHASEOLUS:
Callosobruchus analis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Dacus cucurbitae (?) (Diptera)
Epinotia opposita (Lepidoptera)
Fundella pellucscens (Lepidoptera)
Hercothrips phaseoli (Thysanoptera)
Maruca testulalis (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
PHILODENDRON:
Aspidiotus diffinis (Homoptera)
Aspidiotus palmae (Homoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus tenax (Homoptera)
Lepidosaphes carinata (Homoptera)
Pinnaspis buxi (Homoptera)
Pseudischnaspis alienus (Homoptera)
PHLOX:
Agallia quadripunctata (Homoptera)
Thrips flavus (Thysanoptera)
PHOENIX:
Coccotrypes dactyliperda (Coleoptera)
Myelois ceratoniae (Lepidoptera)
PHYSALIS:
Gnorimoschema lavernella (Lepidoptera)
Rhagoletis striatella (Diptera)
PHYTELEPHAS:
Coccotrypes dactyliperda (Coleoptera)
PICEA:
Callidium violaceum (Coleoptera)
Hylurgops palliatus (Coleoptera)
Ips typographus (Coleoptera)
Pityogenes chalcographus (Coleoptera)

PICEA—Continued
Pogonocherus fasciculatus (Coleoptera)
PIMPINELLA:
Pantomorus godmani (Coleoptera)
PINUS:
Acanthocinus aedilis (Coleoptera)
Blastophagus piniperda (Coleoptera)
Callidium violaceum (Coleoptera)
Hylurgops palliatus (Coleoptera)
Ips sexdentatus (Coleoptera)
Ips typographus (Coleoptera)
Kalotermes bequaerti (Isoptera)
Lema melanopa (Coleoptera)
Leucaspis candida (Homoptera)
Pityogenes bidentatus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
"Poliaspis" pini (Homoptera)
Pseudococcus pini (Homoptera)
Ptochoryctis tsugensis (?) (Lepidoptera)
PISTACIA:
Lepidosaphes pistaciae (Homoptera)
PISUM:
Bruchus emarginatus (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Laspeyresia nigricana (Lepidoptera)
Neodryocoetes guianae (Coleoptera)
PITTOSPORUM:
Pulvinaria psidii (Homoptera)
PLUMERIA:
Aspidiotus herculeanus (Homoptera)
Asterolecanium pustulans (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
Pseudaonidia clavigera (Homoptera)
POINCIANA:
Stephanoderes lecontei (Coleoptera)
POLIANTHES:
Frankliniella bratleyi (Thysanoptera)
POPULUS:
Dryophthorus corticalis (Coleoptera)
PORTULACA:
Celerio lineata (Lepidoptera)
Dicrepidius corvinus (Coleoptera)
Lozostege bifidalis (Lepidoptera)
Lozostege similalis (Lepidoptera)
PRIMULA:
Phragmatobia fuliginosa (Lepidoptera)
PROSOPIS:
Algarobius ceratioborus (Coleoptera)
Algarobius prosopis (Coleoptera)
Rhipibruchus leiboldi (Coleoptera)
Rhipibruchus picturatus (Coleoptera)
PROTEA:
Ananca hottentota (Coleoptera)
Antestia variegata (Hemiptera)
Antestia variegata lineaticollis (Hemiptera)
Homothrips distinctus (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
PRUNUS ARMENIACA:
Ceratitis capitata (Diptera)
Nilotaspis halli (Homoptera)
Parlatoria oleae (Homoptera)
PRUNUS DOMESTICA:
Ceratitis capitata (Diptera)
Chionaspis asiatica (Homoptera)
Epidiaspis piricola (Homoptera)
Iridomyrmex humilis (Hymenoptera)
Megalometis chiliensis (Coleoptera)
Nilotaspis halli (Homoptera)
Parlatoria oleae (Homoptera)
PRUNUS PADUS:
Anthonomus rectirostris (Coleoptera)
PRUNUS PERSICA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Grapholitha molesta (Lepidoptera)
Nilotaspis halli (Homoptera)
Parlatoria oleae (Homoptera)
PRUNUS PERSICA NECTARINA:
Iridomyrmex humilis (Hymenoptera)
Megalometis chiliensis (Coleoptera)
Nysius simulans (Hemiptera)
PRUNUS MUME (?):
Parlotoria theae (Homoptera)
PRUNUS SP. (cherry):
Leucaspis archangelskyae (Homoptera)
Mineola indigenella (Lepidoptera)
Rhagoletis cerasi (Diptera)
PSIDIUM:
Anastrepha mombinpraeoptans (Diptera)
Anastrepha suspensa (Diptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (Diptera)
Tetraleurodes mori (Homoptera)
PUERARIA:
Callosobruchus ademptus (Coleoptera)
PUNICA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chionaspis asiatica (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Forficula auricularia (Dermaptera)
PYRUS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Epidiaspis piricola (Homoptera)
Grapholitha molesta (Lepidoptera)
Lepidosaphes conchiformis (Homoptera)
Leucaspis archangelskyae (Homoptera)
Monomorium destructor (Hymenoptera)
Parlatoria oleae (Homoptera)
Phyllotreta cruciferae (Coleoptera)
QUERCUS:
Andricus glandium (Hymenoptera)
Callirhytis sonorae (Hymenoptera)
Conotrachelus integer (Coleoptera)
Curculio q-griseae (Coleoptera)
Parlatoria oleae (Homoptera)
Scolytus intricatus (Coleoptera)
RAPHANUS:
Baris coerulescens (Coleoptera)
Cyrtopeltis varians (Hemiptera)
Lixus ascanii (Coleoptera)
RENANTHERA:
Vinsonia stellifera (Homoptera)
RHODODENDRON:
Ceroplastes japonicus (Homoptera)
Dalopius marginatus (Coleoptera)
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleella (Lepidoptera)
Pachybrachius luridus (Hemiptera)
Sitona lineata (Coleoptera)
Stephanitis pyrioides (Hemiptera)
Vesiculaphis caricis (Homoptera)
RIBES:
Brachyrhinus sulcatus (Coleoptera)
RORIPPA:
Evergestis rimosalis (Lepidoptera)
ROSA:
Chaetocnema concinna (Coleoptera)
Cryptocephalus krugii (Coleoptera)
Frankliniella insularis (Thysanoptera)
Lema opulenta (Coleoptera)
Parlatoria theae (Homoptera)
Rhagoletis alternata (Diptera)
Sitona humeralis (Coleoptera)
Taeniothrips atratus (Thysanoptera)
Thrips flavus (Thysanoptera)
Trialeurodes vaporariorum (Homoptera)
ROSMARINUS:
Chrysomela americana (Coleoptera)
RUDBECKIA:
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
SABAL:
Coccotrypes dactyliperda (Coleoptera)
SACCHARUM:
Diatraea saccharalis (Lepidoptera)
Rhabdoscelus obscurus (Coleoptera)
Stephanoderes lecontei (Coleoptera)
"Targionia" sacchari (Homoptera)
Tomaspis postica (Homoptera)
SALIX:
Aglossa cuprealis (Lepidoptera)
Lepidosaphes kuwacola (Homoptera)
Lepidosaphes yanagicola (Homoptera)
Pityophthorus sambuci (Coleoptera)
SAMBUCUS:
Micrapate labialis (Coleoptera)
SAPOTE:
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
SCHEFFLERA:
Dactylotrypes uyttenboogaarti (Coleoptera)

SECHIUM:
Diaphania nitidalis (Lepidoptera)
SELAGINELLA:
Lema confusa (Coleoptera)
SERJANIA:
Dinoderus bifoveolatus (Coleoptera)
SESBANIA:
Acanthoscelides griseolus (Coleoptera)
SOIL:
Athous haemorrhoidalis (Coleoptera)
Athous subfuscus (Coleoptera)
Athous vittatus (Coleoptera)
Barynotus moerens (Coleoptera)
Bibio johannis (Diptera)
Brachyrhinus sulcatus (Coleoptera)
Cephalocteus scarabaeoides (Hemiptera)
Dalopius marginatus (Coleoptera)
Deraeocoris lutescens (Hemiptera)
Forficula auricularia (Dermaptera)
Gastrophysa viridula (Coleoptera)
Hydrothassa marginella (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Mecinus pyraster (Coleoptera)
Paracardiophorus pauper (Coleoptera)
Saldula saltatoria (Hemiptera)
Scolopostethus affinis (Hemiptera)
Trapezonotus arenarius (Hemiptera)
SOLANUM ACULEATISSIMUM:
Dacus dorsalis (Diptera)
SOLANUM MELONGENA:
Heteroderes laurentii (Coleoptera)
Neoleucinodes elegantalis (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Trichobaris mucorea (Coleoptera)
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera)
Gnorimoschema plaesiosema (Lepidoptera)
Premnotrypes fractirostris (Coleoptera)
Premnotrypes solani (Coleoptera)
Premnotrypes vorax (Coleoptera)
SORGHUM:
Diatraea saccharalis (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
Sesamia vuteria (Lepidoptera)
SPARTIUM:
Sparteus villosus (Coleoptera)
SPATHOGLOTTIS:
Ferrisiana virgata (Homoptera)
SPHAGNUM:
Chaetocnema hortensis (Coleoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
Dacus dorsalis (Diptera)
STAPELIA:
"Chionaspis" indigoferae (Homoptera)
STERNBERGIA:
Ripersiella palestineae (Homoptera)
STRELITZIA:
Adoretus sinicus (Coleoptera)
Ferrisiana virgata (Homoptera)
Phenacaspis sandwicensis (Homoptera)
SYRINGA:
Dialeurodes kirkaldyi (Homoptera)
SYZYGIUM:
Pulvinaria psidii (Homoptera)
TAGETES:
Haplothrips gowdeyi (Thysanoptera)
TAMARINDUS:
Caryedon fuscus (Coleoptera)
Chrysomphalus scutiformis (Homoptera)
TERMINALIA:
Dacus dorsalis (Diptera)
TETRAGONIA:
Piezodorus purus (Hemiptera)
TILIA:
Ernoporus tiliae (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Oxycarenus lavaterae (Hemiptera)
TILLANDSIA:
Quichuana calathea (Diptera)
Tychius inermis (Coleoptera)
TRIPTERIS:
Ensina hyalipennis (Diptera)
Ensina ignobilis (Diptera)
TRITICUM:
Aglossa cuprealis (Lepidoptera)
TULIPA:
Anuraphis tulipae (Homoptera)
Forficula auricularia (Dermaptera)
Rhopalosiphoninus tulipaellus (Homoptera)
ULMUS:
Lygus oblineatus (Hemiptera)
Pteleobius vittatus (Coleoptera)
VANDA:
Athesapeuta cyperi (Coleoptera)
Eutreta xanthochaeta (Diptera)
Heteroglymma alata (Coleoptera)
Leucaspis cockerelli (Homoptera)
Monomorium destructor (Hymenoptera)
Parlatoria pseudaspidiotus (Homoptera)
Taeniothrips gracilis (Thysanoptera)
Thrips hawaiiensis (Thysanoptera)
VANILLA:
Protopulvinaria pyriformis (Homoptera)
VICIA:
Aoromius quinquepunctatus (Coleoptera)
Apion pomonea (Coleoptera)
Bruchidius incarnatus (Coleoptera)
Bruchidius quinqueguttatus (Coleoptera)
Bruchus affinis (Coleoptera)
Bruchus atomarius (Coleoptera)
Bruchus dentipes (Coleoptera)
Bruchus ervi (Coleoptera)
Bruchus guttalis (Coleoptera)
Bruchus hamatus (Coleoptera)
Bruchus luteicornis (Coleoptera)
Bruchus rufipes (Coleoptera)
Bruches tristiculus (Coleoptera)
Bruchus tristis (Coleoptera)
Bruchus ulicis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
VIGNA:
Acanthoscelides obreptus (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
VITIS:
Anastrepha fraterculus (?) (Diptera)
Aphanus saturnius (Hemiptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Leptoglossus chilensis (Hemiptera)
Phlyctinus callosus (Coleoptera)
Polycaon chiliensis (Coleoptera)
Polychrosis botrana (Lepidoptera)
Pulvinaria innumerabilis (Homoptera)
Sitona humeralis (Coleoptera)
Targionia vitis (Homoptera)
WEIGELA:
Allantus cinctus (Hymenoptera)
ZANTEDESCHIA(?):
Ceroplastes rubens (Homoptera)
ZEA:
Celerio lineata (Lepidoptera)
Diatraea saccharalis (Lepidoptera)
Euxesta stigmatias (Diptera)
Lygus oblineatus (Hemiptera)
Moodna bisinuella (Lepidoptera)
Prostephanus truncatus (Coleoptera)
Pyrausta nubilalis (Lepidoptera)
ZINGIBER:
Amorbia emigratella (Lepidoptera)
Dacus dorsalis (Diptera)
ZINNIA:
Diaprepes famelicus (Coleoptera)
Prodenia ornithogalli (Lepidoptera)

Hosts unknown

AIRPLANE:
Adoretus sinicus (Coleoptera)
Aeolus pulchellus (Coleoptera)
Araecerus vieillardi (Coleoptera)
Chaetoclusia bakeri (Diptera)
Dacus dorsalis (Diptera)
Diaprepes abbreviatus (Coleoptera)
Jadera sanguinolenta (Hemiptera)
Malacorhinus tripunctatus (Coleoptera)
Melanoxanthus melanocephalus (Coleoptera)
Nysius dallasi (Hemiptera)
Tomoplagia obliqua (Diptera)
Zabrotes subfasciatus (Coleoptera)

BAGGAGE:
Adoretus sinicus (Coleoptera)
Forficula auricularia (Dermaptera)
BARK:
Hylurgops palliatus (Coleoptera)
Ips typographus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Pityophthorus sambuci (Coleoptera)
BEAN:
Bruchus tristis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
CLOTH:
Forficula auricularia (Dermaptera)
COTYLEDON:
"Chionaspis" indigoferae (Homoptera)
EXCELSIOR:
Forficula auricularia (Dermaptera)
FLOWER:
Amorbia emigratella (Lepidoptera)
Pantomorus godmani (Coleoptera)
Sizeonotus luteiceps (Hemiptera)
Taeniothrips hawaiiensis (Thysanoptera)
GRAIN:
Bruchus affinis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
GRAMINEAE:
Targionia sacchari (Homoptera)
"GRAMME":
Callosobruchus chinensis (Coleoptera)
GRASS & WEED ROOT IN SOIL:
Brachyrhinus singularis (Coleoptera)
HAY:
Nymphalis urticae (Lepidoptera)
HERB:
Diaphania hyalinata (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Trialeurodes vaporariorum (Homoptera)
LEAF:
Iridomyrmex humilis (Hymenoptera)
Tetraleurodes mori (Homoptera)
Trioza anceps (Homoptera)
LEGUME:
Acanthoscelides spinipes (Coleoptera)
Bruchus rufipes (Coleoptera)
Bruchus tristis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Sinoxylon sexdentatum (Coleoptera)
LOG:
Coelosternus consputus (Coleoptera)
Draeculacephala clypeata (Homoptera)
Nasutitermes corniger (Isoptera)
Physorrhinus distigma (Coleoptera)
Platypus rugulosus (Coleoptera)
Xyleborus affinis (Coleoptera)
PACKING:
Fulvius albomaculatus (Hemiptera)
PARCEL POST:
Oxydema longulum (Coleoptera)
PLANT:
Artipus floridanus (Coleoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus excisus (Homoptera)
Coccus viridis (Homoptera)
Forficula auricularia (Dermaptera)
Pachyzancla bipunctalis (Lepidoptera)
Sizeonotus luteiceps (Hemiptera)
RAILWAY CAR:
Pectinophora gossypiella (Lepidoptera)
RETURNED WAR EQUIPMENT:
Achatina fulica (Mollusca)
SEED:
Callosobruchus chinensis (Coleoptera)
Coccotrypes pygmaeus (Coleoptera)
SEED POD:
Ferrisiana virgata (Homoptera)
Stephanoderes lecontei (Coleoptera)
SHRUB:
"Chionaspis" indigoferae (Homoptera)
SOD:
Ctenicera aeneus (Coleoptera)
SUCCULENT:
"Chionaspis" exalbida (Homoptera)
UNKNOWN:
Mylloceras hilleri (Coleoptera)
VEGETABLES:
Lygus oblineatus (Hemiptera)
VINE:
Exillis longicornis (Coleoptera)
WOOD:
Acanthocinus aedilis (Coleoptera)
Amphicerus cornutus (Coleoptera)
Blastophagus piniperda (Coleoptera)
Callidium violaceum (Coleoptera)
Cryptotermes brevis (Isoptera)
Dinoderus brevis (Coleoptera)
Dysides obscurus (Coleoptera)
Forficula auricularia (Dermaptera)
Heterobostrychus aequalis (Coleoptera)
Ips sexdentatus (Coleoptera)
Micrapate labialis (Coleoptera)
Nasutitermes corniger (Isoptera)
Nasutitermes luzonicus (Isoptera)
Orthotomicus laricis (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Renocis mexicanus (Coleoptera)
Sinoxylon anale (Coleoptera)
Sinoxylon conigerum (Coleoptera)
Sinoxylon sexdentatum (Coleoptera)
Xylothrips flavipes (Coleoptera)
WOODS MOSS:
Acalypta parva (Hemiptera)
Acalypta parvula (Hemiptera)
Agallia quadripunctata (Homoptera)
Agalliopsis novella (Homoptera)
Cassida nebulosa (Coleoptera)
Catoplatus fabricii (Hemiptera)
Conchaspis angraeci (Homoptera)
Dalopius marginatus (Coleoptera)
Drymus sylvaticus (Hemiptera)
Hypera nigrirostris (Coleoptera)
Newsteadia floccosa (Homoptera)
Platythrips tunicatus (Thysanoptera)
Strophosoma melanogramma (Coleoptera)
Trapezonotus arenarius (Hemiptera)

Countries of origin and insects

AFGHANISTAN:
Chionaspis asiatica
Leucaspis archangelskyae
Parlatoria oleae
ALGERIA:
Ceratitis capitata
Lepidosaphes ficus
Parlatoria zizyphus
Psila rosae
Sinoxylon sexdentatum
AMERICAN SAMOA:
Rhabdoscelus obscurus
AMERICAN VIRGIN ISLANDS:
Cylas formicarius elegantulus
Euscepes postfasciatus
Pectinophora gossypiella
"Targionia" hartii
ARGENTINA:
Algarobius ceratioborus
Anastrepha fraterculus (?)
Ceratitis capitata
Diaphania nitidalis
Diatraea saccharalis
Grapholitha molesta
Lygus fraudentus
Phelomerus germaini
Pseudaonidia trilobitiformis
Rhipibruchus leiboldi
Rhipibruchus picturatus
Unaspis citri
Zabrotes subfasciatus
AUSTRALIA:
Aonidiella citrina
Araecerus vieillardi
Doratifera oxleyi
Lepidosaphes tuberculata
Parlatoria zizyphus
Pinnaspis buxi
Xylosandrus morigerus
AUSTRIA:
Anthonomus rectirostris
Rhagoletis alternata (?)
Sparteus villosus

AZORES:
Aglossa cuprealis
Brachyrhinus sulcatus
Ceratitis capitata
Dacus oleae
Iridomyrmex humilis
Pantomorus godmani
BAHAMAS:
Ancylostomia stercorea
Artipus floridanus
Asterolecanium pustulans
Coccus viridis
Ferrisiana virgata
Lepidosaphes tokionis
Monomorium destructor
BARBADOS:
Callosobruchus maculatus
"Targionia" hartii
BATAVIA:
Parlatoria pseudaspidiotus
BELGIUM:
Anuraphis tulipae
Bruchus luteicornis
Ctenicera aeneus
Dalopius marginatus
Lepidosaphes tuberculata
Phytomyza atricornis
Pityogenes chalcographus
Psila rosae
BERMUDA:
Anastrepha mombinpraeoptans
Anuraphis tulipae
Diaprepes famelicus
Kalotermes bequaerti
Prodenia eridania
Protopulvinaria pyriformis
Pulvinaria psidii
BINTAN ISLAND:
Ferrisiana virgata
BRAZIL:
Acanthoscelides armitagei
Aleurothrixus myrtacei (?)
Anastrepha fraterculus
Asterolecanium epidendri
Ceratitis capitata
Chrysomphalus personatus
Coccotrypes pygmaeus
Diabrotica speciosa
Diaphania nitidalis
Dinoderus bifoveolatus
Dysides obscurus
Epinotia opposita
Eurytoma orchidearum
Euscepes postfasciatus
Furcaspis biformis
Gymnandrosoma aurantianum
Maruca testulalis
Mecolaemus carvalhoi
Mordellistena cattleyana
Morganella longispina
Neolecucinodes elegantalis
Pachyzancla periusalis
Parlatoria cinerea
Pectinophora gossypiella
Pseudaonidia trilobitiformis
Stenoma catenifer
Stephanoderes hampei
Tenthecoris bicolor
Unaspis citri
BRITISH COLUMBIA:
Dialeurodes chittendeni
Thrips trehernei
BRITISH GUIANA:
Asterolecanium bambusae
Callosobruchus chinensis
Furcaspis biformis
Neodryocoetes guianae
BRITISH HONDURAS:
Myelois notatalis
BRITISH WEST INDIES:
Callosobruchus chinensis
Lepidosaphes tokionis
Parlatoria cinerea
Stenoma catenifer
Stephanoderes busck
Targionia hartii
CANADA:
Agallia quadripunctata
Agalliopsis novella
Gastrodes pacificus
Lygus elisus
Lygus oblineatus
Pyrausta nubilalis
CANAL ZONE:
Acanthoscelides armitagei
Agonosoma trilineata
Aspidiotus destructor
Asterolecanium epidendri
Callosobruchus maculatus
Chrysomphalus umboniferus
Conchaspis angraeci
Ferrisiana virgata
Furcaspis biformis
Mimosestes dominicanus
Neocattarus vegetus
Physorrhinus distigma cephalicus
Protopulvinaria longivalvata
Protopulvinaria pyriformis
Pseudaonidia trilobitiformis
Pseudischnaspis acephala
Tenthecoris distinctus
Vinsonia stellifera
CAPE OF GOOD HOPE:
Taeniothrips simplex
CAPE VERDE ISLANDS:
Ceratitis capitata
CEYLON:
Heterobostrychus aequalis
Sinoxylon conigerum
Xylothrips flavipes
CHILE:
Algarobius ceratioborus
Anastrepha fraterculus (?)
Dinoderus bifoveolatus
Epidiaspis piricola
Iridomyrmex humilis
Leptoglossus chilensis
Megalometis chiliensis
Nysius simulans
Polycaon chiliensis
CHINA:
Aspidiotus degeneratus
Callosobruchus chinensis
Chilo simplex
Coccus viridis
Coptosoma cribraria
Dialeurodes citri
Dialeurodes kirkaldyi
Lepidosaphes tuberculata
Liothrips vaneeckei
Parlatoria camelliae
Parlatoria zizyphus
Taeniothrips gracilis
"Targionia" hartii
Xylopsocus capucinus
COLOMBIA:
Aspidiotus diffinis
Clerada apicornis
Diaphania nitidalis
Eurytoma orchidearum
Euscepes postfasciatus
Furcaspis biformis
Mimosestes dominicanus
Monomorium destructor
Mordellistena cattleyana
Stenoma catenifer
Tenthecoris exiliosus
Termes hispaniolae
COSTA RICA:
Anastrepha ludens
Anastrepha mombinpraeoptans
Aspidiotus destructor
Aspidiotus palmae
Asterolecanium epidendri
Calligrapha elegantula
Chrysomphalus albopictus
Chrysomphalus nigropunctatus
Chrysomphalus personatus
Chrysomphalus scutiformis
Chrysomphalus umboniferus
Conotrachelus perseae
Draeculacephala clypeata
Ferrisiana virgata
Furcaspis biformis

COSTA RICA—Continued
Lygaeus vittiscutis
Metamasius sericeus
Nasutitermes corniger
Ozophora consanguineus
Parlatoria cinerea
Physorrhinus distigma
Pinnaspis buxi
Platycarenus humilis
Platypus rugulosus
Pseudischnaspis alienus
Pseudoparlatoria ostreata
Sibine stimulea
Tenthecoris distinguendus
Xyleborus affinis
CUBA:
Aleurotrachelus trachoides
Anastrepha mombinpraeoptans
Anastrepha suspensa
Aspidiotus destructor
Coccus viridis
Conchaspis angraeci
Crocidosema plebeiana
Cylas formicarius elegantulus
Diaphania hyalinata
Diaphania nitidalis
Hellula phidilealis
Hercothrips phaseoli
Heterocleres laurentii
Leucocera sexpunctatus
Maruca testulalis
Pheidole megacephala
Platynota rostrana
Protopulvinaria pyriformis
Psila rosae
Pulvinaria psidii
Ribua innoxia
Taeniothrips simplex
"Targionia" bromiliae
Zabrotes subfasciatus
CYPRUS:
Ceratitis capitata
CZECHOSLOVAKIA:
Aspidiotus abietis
Hylurgops palliatus
Ips typographus
DENMARK:
Chaetocnema hortensis
Gelechia ericetella
Lema melanopa
Psila rosae
Thrips flavus
Thrips fuscipennis
DOMINICAN REPUBLIC:
Anastrepha fraterculus
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Cryptocephalus krugii
Cylas formicarius elegantulus
Diaphania nitidalis
Frankliniella insularis
Maruca testulalis
ECUADOR:
Metamasius sericeus
Premnotrypes vorax
Stenoma catenifer
EGYPT:
Bruchidius incarnatus
Callosobruchus maculatus
Ceratitis capitata
Cryptoblabes gnidiella
Haplothrips cottei
Lixus junci
Pectinophora gossypiella
ENGLAND:
Anuraphis helichrysi
Anuraphis tulipae
Athous haemorrhoidalis
Barynotus moerens
Dalopius marginatus
Euleia heraclei
Evergestis forficalis
Forficula auricularia
Gastrophysa viridula
Laspeyresia splendana
Leperisinus fraxini
Lepidosaphes tuberculata
Megasternum boletophagum

ENGLAND—Continued
Newsteadia floccosa
Phragmatobia fuliginosa
Platythrips tunicatus
Polia oleracea
Psila rosae
Pteleobius vittatus
Scolopostethus affinis
Scolytus intricatus
Thrips flavus
Thrips nigropilosus
Trialeurodes vaporariorum
Zabrotes subfasciatus
EUROPE:
Haplothrips cottei
FIJI ISLANDS:
Cylas formicarius var.
Euscepes postfasciatus
FINLAND:
Callidium violaceum
Pityogenes chalcographus
FORMOSA:
Parlatoria cinerea
Parlatoria zizyphus
FRANCE:
Acalypta parva
Acalypta parvula
Acrolepia assectella
Anuraphis tulipae
Aoromius quinquepunctatus
Apion carduorum
Apion pomonae
Athous subfuscus
Athous vittatus
Baris ocerulescens
Bibio johannis
Brachyrhinus meridionalis
Bruchus affinis
Bruchus guttalis
Bruchus luteicornis
Bruchus rufipes
Catoplatus fabricii
Ceratitis capitata
Dactylotrypes uyttenboogaarti
Deraeocoris lutescens
Epidiaspis piricola
Ernoporus tiliae
Grapholitha molesta
Iridomyrmex humilis
Laspeyresia splendana
Lixus ascanii
Mamestra brassicae
Myzus ascalonicus
Newsteadia floccosa
Phyllotreta cruciferae
Polychrosis botrana
Psila rosae
Pulvinaria innumerabilis
Pyrausta nubilulis
Rhagoletis cerasi
Sesamia cretica
Tetraleurodes hederae
Thrips angusticeps
Trapezonotus arenarius
GERMANY:
Blastophagus piniperda
Callidium violaceum
Cassida nebulosa
Chaetocnema concinna
Hylurgops palliatus
Hypera nigrirostris
Ips typographus
Laspeyresia splendana
Leucaspis candida
Pityogenes bidentatus
Pityogenes chalcographus
Rhagoletis cerasi
Strophosoma melanogramma
Thrips flavus
Trapezonotus arenarius
GREECE:
Aspidiotus spinosus
Callosobruchus maculatus
Ceratitis capitata
Cryptoblabes gnidiella
Haplothrips cottei
Parlatoria oleae

GUAM:
Achatina fulica
Dacus ochrosiae (?)
Ferrisiana virgata
"Lepidosaphes" esakii
Lepidosaphes tubulorum (?)
Targionia sacchari
GUATEMALA:
Acanthoscelides armitagei
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Aspidiotus destructor
Chrysomphalus albopictus
Chrysomphalus tenax
Cligenes delineata
Coccus pseudohesperidum
Conotrachelus perseae
Euzesta stigmatias
Ferrisiana virgata
Furcaspis biformis
Ligyrocoris abdominalis
Lygaeus vittiscutis
Megapenthes cinnamomus
Pachycoris torridus
Pseudischnaspis alienus
Stenoma catenifer
Stephanoderes lecontei
Taeniothrips simplex
Tenthecoris vestitus
Zabrotes subfasciatus
HAITI:
Anastrepha mombinpraeoptans
Frankliniella insularis
Leucocera quinquepunctata
Monomorium destructor
Pectinophora gossypiella
HAWAII:
Adoretus sinicus
Algarobius prosopis
Amorbia emigratella
Aonidiella inornata
Araecerus vicillardi
Aspidiotus herculeanus
Aspidiotus spinosus
Asterolecanium pustulans
Athesapeuta cyperi
Callosobruchus chinensis
Callosobruchus phaseoli
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Clerada apicornis
Coccus viridis
Cryptorhynchus mangiferae
Cryptotermes brevis
Cylas formicarius var.
Dacus cucurbitae
Dacus dorsalis
Dialeurodes kirkaldyi
Diocalandra taitensis
Ereunetis flavistriata
Eucalymnatus tessellatus
Euscepes postfasciatus
Eutreta xanthochaeta
Ferrisiana virgata
Furcaspis biformis
Graptostethus servus
Haplothrips gowdeyi
Lampides boeticus
Lepidosaphes tokionis
Leucaspis cockerelli
Maruca testulalis
Nysius dallasi
Orchidophilus peregrinator
Oxydema longulum
Pantomorus godmani
Parlatoria crotonis
Parlatoria fluggeae
Parlatoria pseudaspidiotus
Pealius hibisci
Pectinophora gossypiella
Phenacaspis sandwicensis
Pinnaspis buxi
Poecilips persicae
Pseudaonidia clavigera
Pseudaonidia tesserata
Pseudococcus palmarum

HAWAII—Continued
Sinoxylon conigerum
Taeniothrips hawaiiensis
"Targionia" bromiliae
Thrips hawaiiensis
HONDURAS:
Anastrepha ludens
Anastrepha mombinpraeoptans
Aspidiotus destructor
Brentus anchorago
Conotrachelus perseae
Cosmopolites sordidus
Cryptotermes brevis
Lygaeus vittiscutis
Metamasius sericeus
Mordellistena cattleyana
Nasutitermes corniger
Prodenia eridania
Pseudischnaspis alienus
Stenoma catenifer
Tenthecornis confusus
Zabrotes subfasciatus
HUNGARY:
Ips typographus
Pityogenes chalcographus
Pyrausta nubilalis
INDIA:
Amphicerus cornutus
Bruchus affinis
Bruchus emarginatus
Callosobruchus analis
Callosobruchus chinensis
Callosobruchus maculatus
Callosobruchus phaseoli
Caryedon fuscus
Coccotrypes dactyliperda
Coccus capparidis
Cryptorhynchus mangiferae
Cylas formicarius
Cylas formicarius var.
Dacus dorsalis
Dinoderus brevis
Eutornus congener
Heterobostrychus aequalis
Lepidosaphes tuberculata
Monomorium destructor
Parlatoria pseudaspidiotus
Pectinophora gossypiella
Pinnaspis buxi
Sinoxylon anale
Sinoxylon conigerum
Systole geniculata
Taeniothrips gracilis
Zabrotes subfasciatus
IRAQ:
Cylas formicarius var.
Myelois ceratoniae
IRELAND:
Barypeithes araneiformis
Drymus sylvaticus
Forficula auricularia
Hydrothassa marginella
Mamestra brassicae
Mecinus pyraster
Psila rosae
Saldula saltatoria
ISRAEL:
Nilotaspis halli
ITALY:
Acanthoscelides spinipes
Acrolepia assectella
Aphanus saturnius
Apion carduorum
Brachycerus albidentatus
Brachycerus algirus
Bruchidius lividimanus
Bruchus ervi
Bruchus lentis
Bruchus luteicornis
Bruchus signaticornis
Bruchus tristiculus
Bruchus tristis
Callosobruchus chinensis
Callosobruchus maculatus
Ceratitis capitata
Ceroplastes rusci
Chrysomela americana
Cryptoblabes gnidiella

ITALY—Continued
Dacus oleae
Dryophthorus corticalis
Epidiaspis piricola
Eurydema ornatum
Evergestis forficalis
Forficula auricularia
Grapholitha molesta
Hemimene juliana
Iridomyrmex humilis
Laspeyresia splendana
Lepidosaphes ficus
Myelois ceratoniae
Oxycarenus lavaterae
Parlatoria oleae
Parlatoria zizyphus
Pectinophora gossypiella
Phalonia zephyrana
Polychrosis botrana
Psila rosae
Pyrausta nubilalis
Rhagoletis cerasi
Sesamia cretica
Sitona humeralis
Sparteus villosus
Targionia vitis
Trialeurodes lauri
JAMAICA:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Asterolecanium epidendri
Callosobruchus chinensis
Callosobruchus maculatus
Callosobruchus phaseoli
Genopaschia protomis
Leucaspis cockerelli
Pachyzancla periusalis
Pectinophora gossypiella
"Targionia" sacchari
Vinsonia stellifera
JAPAN:
Aleurotrachelus camelliae
Anomala rufocuprea viridiaenea
Aspidiotus pseudomeyeri
Callosobruchus ademptus
Callosobruchus chinensis
Ceroplastes ceriferus
Ceroplastes japonicus
Ceroplastes rubens
Chilo simplex
Cryptoparlatoria leucaspis
Gracilaria azaleella
Lepidosaphes conchiformis
Lepidosaphes kuwacola
Lepidosaphes pallida
Lepidosaphes yanagicola
Mineola indigenella
Myllocerus hilleri
Paracardiophorus pauper
Parlotoria camelliae
Parlatoria chinensis
Parlatoria pseudaspidiotus
Parlotoria theae
Parlatoria zizyphus
"Poliaspis" pini
Pseudococcus pini
Ptochoryctis tsugensis (?)
Stephanitis pyroides
Unaspis yanonensis
Vesiculaphis caricis
KENYA:
Specularius impressithorax
KOREA:
Pseudococcus pini
LEBANON:
Bruchidius incarnatus
Bruchus dentipes
Bruchus ervi
Ceratitis capitata
Cryptoblabes gnidiella
Dacus oleae
Monomorium destructor
Prays oleellus (?)
MADEIRA ISLANDS:
Bruchus guttalis
Ceratitis capitata
Cryptoblabes gnidiella
Forficula auricularia

MADEIRA ISLANDS—Continued
Iridomyrmex humilis
MEXICO:
Acanthoscelides griseolus
Acanthoscelides obreptus
Acroleucus vicinalis
Acrosticta mexicana
Adelocera longicornis
Aleurocanthus woglumi
Aleuroglandulus emmae
Aleuroparadoxus gardeniae
Aleuroplatus cococolus
Algarobius prosopis
Alpheias conspirata
Amorbia emigratella
Amphicerus cornutus
Anastrepha fraterculus
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anthonomus albolineatus
Anthonomus incanus
Aonidiella citrina
Aphanus umbrosus
Argyrotaenia franciscana (?)
Arvelius albopunctatus
Aspidiotus destructor
Aspidiotus diffinis
Aspidiotus palmae
Aspidiotus spinosus
Asterolecanium bambusae
Asterolecanium epidendri
Attelabus corvinus
Calligrapha argus
Callirhytis sonorae
Callosobruchus maculatus
Camirus conicus
Caulophilus latinasus
Celerio lineata
Chalcodermus dentiferus
Chelymorpha biannularis
Chrysomphalus albopictus
Chrysomphalus nigropunctatus
Chrysomphalus personatus
Chrysomphalus scutiformis
Chrysomphalus umboniferus
Coelosternus consputus
Conchaspis angraeci
Conotrachelus aguacatae
Conotrachelus integer
Conotrachelus perseae
Crophius scabrosus
Cryphula apicatus
Curculio q-griseae
Cylas formicarius elegantulus
Cyrtopeltis varians
Deloyala guttata
Dendrobiella sericans
Dialeurodes citri
Diaphania hyalinata
Diaphania nitidalis
Diatraea saccharalis
Dicrepidius corvinus
Diorymerellus laevimargo
Dysdercus mimulus
Epicaerus cognatus
Epilachna varivestis
Epinotia opposita
Eucalandra setulosa
Eucalymnatus tessellatus
Eumysia stigmella
Euxesta annonae
Evergestis rimosalis
Exptochiomera oblonga
Exptochiomera lumens
Ferrisiana virgata
Fulvius anthocorides
Gerstaeckeria mutillaria
Glyphonyx praecox
Glyphonyx quadricollis
Gnorimoschema gudmannella
Gnorimoschema lavernella
Grapholitha molesta
Grapholitha packardi
Gynaikothrips ficorum
Horistonotus dilaticornis
Horistonotus rufiventris
Hypolithus pectoralis

MEXICO—Continued
Icerya palmeri
Jadera sanguinolenta
Lema confusa
Lema opulenta
Lepidosaphes carinata
Lepidosaphes philococcus
Lepidosaphes tokionis
Leptophobia aripa
Ligyrocoris abdominalis
Ligyrocoris aurivilliana
Ligyrocoris litigiosus
Lineodes integra
Liriomyza pusilla
Lozostege bifidalis
Lozostege similalis
Lygaeus circumlinitus
Lygaeus circumplicatus
Lygaeus consanguinitus
Lygaeus pulchellus
Lygaeus vittiscutis
Lygus oblineatus
Madarus distigma
Malacorhinus tripunctatus
Megacerus contaminatus
Micrapate labialis
Mimorista flavidissimalis
Monanthia monotropidia
Moodna bisinuella
Mordellistena cattleyana
Mordellistena rufonotata
Myodocha longicollis
Neoleucinodes elegantalis
Nysius basalis
Oedionychis lateralis
Oedionychis transversalis
Ogdoecosta biannularis
Oosternum costatum
Parlatoria cinerea
Parlatoria pittospori
Pectinophora gossypiella
Phatnoma annulipes
Phenacoccus gossypii
Physonota humilis
Physorrhinus distigma
Pityophthorus sambuci
Plagiodera thymaloides
Platycarenus notulatus
Platynota rostrana
Platynota stultana
Platypus rugulosus
Plesiommata mollicella
Prodenia eridania
Prodenia ornithogalli
Prostephanus truncatus
Pseudischnaspis alienus
Pseudodiaspis yuccae
Puto mexicanus (?)
Quichuana calathea
Renocis mexicanus
Rhagoletis juglandis (?)
Rhagoletis pomonella
Rhagoletis striatella
Rhinoncus pyrrhopus
Sisamnes contractus
Sixeonotus luteiceps
Stenoma catenifer
Stephanoderes lecontei
Systole geniculata
Taeniothrips simplex
Talponia batesi
Tanymecus confusus
"Targionia" bromiliae
Tenthecoris angustimarginatus
Tenthecoris confusus
Tenthecoris distinctus
Tetraleurodes mori
Tetrapriocera longicornis
Thamnophthorus schwarzi
Tomaspis postica
Tomoplagia obliqua
Trialeurodes vaporariorum
Trichobaris mucorea
Trioza anceps
Trochuda raspa
Tychius inermis
Unaspis citri
Valtissus diversus

MEXICO—Continued
Xylomeira torquata
Zabrotes subfasciatus
Zale sabena
MOROCCO:
Cephalocteus scarabaeoides
Ceratitis capitata
Exosoma lusitanica
Sesamia vuteria
MOZAMBIQUE:
Cylas puncticollis
NETHERLANDS:
Acanthocinus aedilis
Acrolepia assectella
Allantus cinctus
Anuraphis tulipae
Athous niger
Blastophagus piniperda
Brachyrhinus sulcatus
Bruchus tristis
Evergestis forficalis
Forficula auricularia
Gracilaria azaleella
Ips sexdentatus
Ips typographus
Lampetia equestris
Lepidosaphes tuberculata
Mamestra brassicae
Nymphalis urticae
Orthotomicus laricis
Pachybrachius luridus
Pityogenes bidentatus
Pityogenes chalcographus
Psila rosae
Rhopalosiphoninus tulipaellus
Sitona lineata
Taeniothrips simplex
Zabrotes subfasciatus
NETHERLANDS GUIANA:
Furcaspis biformis
Gnorimoschema gudmannella
Maruca testulalis
NETHERLANDS WEST INDIES:
Anastrepha serpentina (?)
NEW ZEALAND:
Morganella longispina
Taeniothrips simplex
NICARAGUA:
Aspidiotus palmae
Aspidiotus spinosus
Chaetoclusia bakeri
Neoclytus cacicus
Platypus ruulosus
Stenoma catenifer
NIGERIA:
Callosobruchus maculatus
Leucaspis cockerelli
NORWAY:
Anuraphis helichrysi
Argyresthia conjugella
Callidium violaceum
Callosobruchus maculatus
Mamestra brassicae
Psila rosae
Thrips flavus
PAKISTAN:
Pectinophora gossypiella
PALESTINE:
Ceratitis capitata
Ceroplastes rusci
Frankliniella bratleyi
Lepidosaphes ficus
Ripersiella palestineae
PANAMA:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Anastrepha serpentina
Ancylostomia stercorea
Coccotrypes dactyliperda
Coccus viridis
Hellula phidilealis
Leucaspis cockerelli
Parlatoria cinerea
Stenoma anonella
Stenoma catenifer
Unaspis citri
PERU:
Anastrepha fraterculus (?)

PERU—Continued
Epinotia opposita
Gnorimoschema plaesiosema
Premnotrypes fractirostris
Premnotrypes solani
Stenoma catenifer
Taeniothrips simplex
PHILIPPINES:
Achatina fulica
Aonidiella citrina
Aonidiella inornata
Aspidiotus coryphae
Aspidiotus excisus
Callosobruchus chinensis
Exillis longicornis
Ferrisiana virgata
Heteroglymma alata
Iridomyrmex humilis
Lepidosaphes tokionis
Monomorium destructor
Morganella longispina
Nasutitermes luzonicus
Parlatoria pseudaspidiotus
Parlatoria zizyphus
Pectinophora gossypiella
Pseudaonidia curculiginis
Pseudococcus palmarum
Pulvinaria psidii
POLAND:
Blastophagus piniperda
PORTUGAL:
Aglossa cuprealis
Apion pomonae
Bruchus guttalis
Ceratitis capitata
Dacus oleae
Haplothrips cottei
Iridomyrmex humilis
Laspeyresia nigricana
Laspeyresia splendana
Psila rosae
Rhagoletis cerasi
Sesamia vuteria
Zabrotes subfasciatus
PRETORIA:
Chirothrips manicatus
Paroxyna sororcula
Piezodorus purus
Trupanea pentziana
PUERTO RICO:
Anastrepha mombinpraeoptans
Anastrepha suspensa
Ancylostomia stercorea
Aspidiotus destructor
Asterolecanium pustulans
Callosobruchus chinensis
Coccus viridis
Crocidosema plebeiana
Cryptocephalus nigrocinctus
Cylas formicarius elegantulus
Diaphania hyalinata
Diaphania nitidalis
Diatraea saccharalis
Euscepes postfasciatus
Fundella pellucens
Haplothrips gowdeyi
Lineodes triangularis
Maruca testulalis
Monomorium destructor
Pachyzancla bipunctalis
Pectinophora gossypiella
Sphenarches caffer
Stenoma catenifer
"Targionia" sacchari
Zabrotes subfasciatus
ST. KITTS:
"Targionia" hartii
SAIPAN:
Achatina fulica
SALVADOR:
Aeolus pulchellus
Algarobius ceratioborus
Anastrepha fraterculus
Anastrepha mombinpraeoptans
Icerya similis
Leucaspis cockerelli
Mimosestes dominicanus
Stenoma anonella
SALVADOR—Continued
Stenoma catenifer
SCOTLAND:
Anuraphis helichrysi
Brachyrhinus singularis
Dalopius marginatus
Forficula auricularia
Micrelus ericae
Taeniothrips atratus
Ulopa reticulata
SIAM:
Cylas formicarius var.
Ferrisiana virgata
Furcaspis biformis
Parlatoria pseudaspidiotus
SIERRA LEONE:
Alcidodes dentipes
Cylas femoralis
Cylas puncticollis
SOUTH PACIFIC:
Aonidiella inornata
Melanoxanthus melanocephalus
SOUTHWEST AFRICA:
"Chionaspis" exalbida
SPAIN:
Apion pomonae
Callosobruchus maculatus
Ceratitis capitata
Laspeyresia splendana
Lixus junci
Parlatoria zizyphus
Rhagoletis cerasi (?)
STRAITS SETTLEMENTS:
Aspidiotus excisus
Dacus cucurbitae
Furcaspis biformis
Morganella longispina
Parlatoria citri
Parlatoria pseudaspidiotus
Parlatoria zizyphus
Vinsonia stellifera
SWEDEN:
Callidium violaceum
Chrysoclista atra
Hylurgops palliatus
Ips typographus
Pityogenes chalcographus
Pogonocherus fasciculatus
Psila rosae
Rhagoletis alternata
Taeniothrips atratus
SWITZERLAND:
Bruchus affinis
Bruchus luteicornis
Laspeyresia splendana
Taeniothrips atratus
Thrips fuscipennis
SYRIA:
Bruchus ervi
Ceratitis capitata (?)
Dialeurodes kirkaldyi
Lepidosaphes pistaciae
TINIAN ISLAND:
Achatina fulica
TRANSVAAL:
Asterolecanium stentae
"Chionaspis" exalbida
TRINIDAD:
Anastrepha fraterculus
Anastrepha mombinpraeoptans
Anastrepha serpentina
Ancylostomia stercorea
Aonidiella comperei
Asterolecanium epidendri
Callosobruchus maculatus
Coccotrypes carpophagus
Coccotrypes dactyliperda
Coccus viridis
Dercynus micronyx
Diaphania nitidalis
Eurytoma orchidearum
Euscepes postfasciatus
Furcaspis biformis
Hellula phidilealis
Leucaspis cockerelli
Monomorium destructor
Parlatoria cinerea
Pulvinaria psidii

TRINIDAD—Continued
Targionia sacchari
Unaspis citri
Vinsonia stellifera
TRUK:
Aonidiella inornata
Furcaspis oceanica
TUNISIA:
Coccotrypes dactyliperda
Gortyna flavago
TURKEY:
Andricus glandium
Bruchidius biguttatus fulvipennis
Bruchidius quinqueguttatus
Bruchus atomarius
Bruchus ervi
Bruchus hamatus
Bruchus lentis
Bruchus rufipes
Bruchus tristiculus
Bruchus tristis
Bruchus ulicis
Callosobruchus maculatus
Coccotrypes dactyliperda
Cryptoblabes gnidiella
Eurytoma onobrychidis
Nilotaspis halli
Spermophagus cardui
Spintherus leguminum
UNION OF SOUTH AFRICA:
Aeoloides grisescens
Aeolothrips brevicornis
Ananca hottentota
Antestia variegata
Antestia variegata lineaticollis
Ceratitis capitata
"Chionaspis" humilis
"Chionaspis" indigoferae
"Chionaspis leucadendri
Ensina hyalipennis
Ensina ignobilis
Haplothrips nigricornis
Homothrips distinctus
Iridomyrmex humilis
Parlatoria pittospori
Phlyctinus callosus
Pseudococcus trichilae
Trionymus lounsburyi
UNKNOWN:
Bruchus guttalis
Callosobruchus maculatus
UNKNOWN—Continued
Ceratitis capitata
Dacus oleae
Diaprepes abbreviatus
Haplothrips cottei
Listroderes aequivocus
Nasutitermes nigriceps
Rhagoletis cerasi
Rhagoletis pomonella
Taeniothrips dianthi
URUGUAY:
Ceratitis capitata
Nysius simulans
Parlatoria cinerea
VENEZUELA:
Acanthoscelides armitagei
Anastrepha serpentina
Asterolecanium epidendri
Callosobruchus maculatus
Coccus viridis
Conchaspis angraeci
Diaphania nitidalis
Eurytoma orchidearum
Fulvius albomaculatus
Furcaspis biformis
Leucaspis cockerelli
Maruca testulalis
Mordellistena cattleyana
Prodenia eridania
Protopulvinaria longivalvata
Pseudischnaspis alienus
Stenoma catenifer
Taeniothrips simplex
Tenthecoris venezuelensis
Vinsonia stellifera
Zabrotes subfasciatus
VIRGIN ISLANDS:
Cylas formicarius elegantulus
Euscepes postfasciatus
Pectinophora gossypiella
WALES:
Psila rosae
WEST AFRICA:
Alcidodes dentipes
Cylas femoralis
Cylas puncticollis
WEST INDIES:
"Targionia" hartii
YUGOSLAVIA:
Laspeyresia splendana

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acrobeles ciliatus von Linstow:					
Aster novae-angliae (New England aster)	Germany			1	New York.
Soil around azalea plants	Netherlands			1	Alabama.
Alternaria citri Ell. & Pierce:					
Citrus sinensis (orange)	Argentina, Cyprus, Union of South Africa.		3		New York, Pennsylvania.
Alternaria dianthi F. L. Stevens & J. G. Hall:					
Dianthus sp. (carnation)	Australia, Brazil.	1		2	California*, New York.
Alternaria gypsophilae Neerg.:					
Gypsophila paniculata (babysbreath)	Brazil	1			New York.
Alternaria porri (Ell.) Cif.:					
Allium cepa (onion)	Mexico	3			Texas.
Lycopersicon esculentum (tomato)	do	1			Do.
Anguina tritici (Steinbuch) Filip.:					
Triticum aestivum (wheat)	Afghanistan, Iran, Iraq, Turkey.			9	District of Columbia.
Aphanomyces raphani Kendr.:					
Raphanus sativus (radish)	Mexico	6			Texas.
Aphelenchus aderholdi Schwartz:					
Convallaria majalis (lily-of-the-valley)	Denmark, Germany.	1		2	New York.
Aphelenchus avenae Bastian:					
Aster novae-angliae (New England aster):	Germany			1	Do.
Ascochyta haworthiae Trinch.:					
Haworthia sp.	Union of South Africa.			2	California.*
Ascochyta lycopersici Brun.:					
Physalis ixocarpa (tomatillo)	Mexico	3			Texas.
Physalis sp. (husk tomato)	do	1			Do.
Ascochyta pisi Lib.:					
Pisum sativum (pea)	England, Mexico, Netherlands, Portugal.	3	3		New York, Texas.
Botryosphaeria ribis (Fr.) Gross. & Dugg.:					
Cocos nucifera (coconut)	Guam			1	California.*
Psidium guajava (guava)	Puerto Rico	1			New York.
Botrytis elliptica (Berk.) Cke.:					
Allium sativum (garlic)	Peru		1		California.*
Lilium auratum (goldband lily)	Japan			5	Do.
Lilium japonicum (Japanese lily)	do			4	Do.
Lilium rubellum (rubellum lily)	do			5	Do.
Lilium speciosum (speciosum lily)	do			2	Do.
Lilium speciosum rubrum (pink speciosum lily)	do			1	Do.
Lilium tigrinum (tiger lily)	do			1	Do.
Lilium sp.	China, Japan.	2		4	California*, Massachusetts, Washington.
Botrytis galanthina (Berk. & Br.) Sacc.:					
Galanthus sp. (snowdrop)	Netherlands			43	California*, Michigan, New Jersey, New York, Pennsylvania.
Botrytis gladiolorum Timmermans:					
Gladiolus sp.	England, Netherlands.			8	New Jersey, New York.
Tritonia sp.	Netherlands			1	New York.
Botrytis tulipae (Lib.) Lind:					
Tulipa sp. (tulip)	do			2	California*, Oregon.
Camellia yellow-spot virus:					
Camellia sp.	France			1	California.*
Cancrosis "B":					
Citrus limon (lemon)	Argentina		6		Maryland, New York, Pennsylvania.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Cercospora angreci Roum.:					
Odontoglossum sp. (orchid)	Belgium			1	New Jersey.
Cercospora canescens Ell. & G. Martin:					
Phaseolus lunatus macrocarpus (lima bean)	Puerto Rico	1			New York.
Cercospora circumscissa Sacc.:					
Prunus sp. (cherry)	Italy		1		Do.
Cercospora fourcroyae Obregon-Botero(?):					
Agave sp.	Venezuela			1	New Jersey.
Cercospora handelii Bub.:					
Rhododendron sp.	Belgium			1	Do.
Cercospora malayensis F. L. Stevens & Solh.:					
Hibiscus cannabinus (kenaf hibiscus)	Cuba			1	Florida.
Cercospora musae Zimm.:					
Musa paradisiaca (plantain)	Mexico	1			Texas.
Musa paradisiaca sapientum (banana)	Canal Zone, Colombia, Costa Rica, Guatemala, Honduras, Mexico, Nicaragua, Panama, Puerto Rico, Salvador.			94	California*, Louisiana, Maryland, New York, Texas.
Cercospora neriella Sacc.:					
Nerium oleander (oleander)	Bermuda	2			New York.
Cercospora rosicola Pass.:					
Rosa sp.	Guatemala, Mexico.	2		1	Louisiana, Texas.
Cerebella andropogonis Ces.:					
Sorghum vulgare (sorghum)	Liberia			1	District of Columbia.
Chaetomium indicum Cda.:					
Cymbidium sp. (orchid)	India			1	California.*
Claviceps microcephala (Wallr.) Tul.:					
Agrostis sp.	England (?)			1	Ohio.
Claviceps paspali F. L. Stevens & J. G. Hall:					
Paspalum sp.	Turkey			1	District of Columbia.
Claviceps purpurea (Fr.) Tul.:					
Agropyron sp.	do			1	Do.
Festuca elatior (meadow fescue)	New Zealand			1	Do.
Coleosporium campanulae (Pers.) Lev.:					
Campanula persicifolia (peachleaf bellflower)	Netherlands			1	New Jersey.
Coleosporium domingense (Berk.) Arth.:					
Plumeria sp.	Venezuela			1	Pennsylvania.
Coleosporium senecionis (Pers.) Fr.:					
Pinus sylvestris (Scotch pine)	Denmark			2	New Jersey
Pinus sp. (pine)	do			1	Do.
Colletotrichum agaves Cav.:					
Agave sp.	Mexico			2	Texas.
Colletotrichum cajani Rangel:					
Cajanus cajan (pigeonpea)	Puerto Rico	6			New York.
Colletotrichum graminicolum (Ces.) G. W. Wils.:					
Brachiaria subquadriparia	Philippines	1			Oregon.
Colletotrichum lagenarium (Pass.) Ell. & Halst.:					
Citrullus vulgaris (watermelon)	Brazil		1		Louisiana.
Colletotrichum lilii Plakidas:					
Iris sp.	Japan			1	California.*
Liliaceous leaf	Guatemala			1	District of Columbia.
Lilium auratum (goldband lily)	Japan			6	California.*
Lilium japonicum (Japanese lily)	do			3	Do.
Lilium rubellum (rubellum lily)	do			3	Do.
Lilium speciosum (speciosum lily)	do			2	Do.
Lilium speciosum punctatum (pinkspot speciosum lily)	do			1	Washington.
Lilium speciosum rubrum (pink speciosum lily)	do			4	California.*
Lilium tigrinum (tiger lily)	do			2	Do.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Collectotrichum lilii—Continued					
Lilium sp.	Canada, China, India.	4		9	California*, Washington
Colletotrichum omnivorum Halst.:					
Aspidistra sp.	Belgium			2	New Jersey.
Colletotrichum phomoides (Sacc.) Chester:					
Physalis ixocarpa (tomatillo)	Mexico	1			Texas.
Colletotrichum pisi Pat.:					
Pisum sativum (pea)	Peru, Mexico.	6	2		Do.
Coniothyrium hellebori Cke. & Mass.:					
Helleborus niger (Christmas-rose)	Netherlands			4	New Jersey.
Coniothyrium olivaceum Bon.:					
Rhododendron sp.	England			1	Washington.
Coniothyrium rhododendri P. Henn.:					
Rhododendron sp.	Netherlands			1	Do.
Coryneum beijerincki Oud.:					
Prunus persica (peach)	Belgium, Germany.		2		New York.
Coryneum rhododendri Schw.:					
Rhododendron sp.	Netherlands			1	Washington.
Cumminsiella sanguinea (Pk.) Arth.:					
Mahonia aquifolium (Oregon hollygrape)	France	1			New York.
Mahonia sp.	Guatemala	1			District of Columbia.
Curvularia lunata (Wakk.) Boed.:					
Allium cepa (onion)	Mexico, Sweden.	1	1		Louisiana, Texas.
Capsicum frutescens (pepper)	Cuba		1		Pennsylvania.
Cytospora ambiens Sacc.:					
Salix sp. (willow)	England	1			New York.
Cytospora ceratophora Sacc.:					
Castanea sp. (chestnut)	Italy	1			California.*
Cytospora chrysosperma Pers. ex Fr.:					
Hura crepitans (sandboxtree)	Brazil	1			New York.
Salix sp. (willow)	Sweden		1		Pennsylvania.
Cytospora dahliae Peyl:					
Dahlia sp.	France			1	California.*
Cytospora punica Sacc.:					
Punica granatum (pomegranate)	Mexico	1			Texas.
Diaporthe citri Wolf:					
Citrus sinensis (orange)	Brazil		2		California.*
Citrus sp.	Aitutaki Island.		1		Hawaii.
Diplocarpon rosae Wolf:					
Rosa sp.	Mexico, Trinidad.	2	1		Puerto Rico, Texas.
Diplodia paraphysaria Sacc.:					
Laelia sp. (orchid)	Mexico			1	Texas.
Oncidium cavendishianum (orchid)	do			1	Do.
Oncidium sp.	do			1	Do.
Vanda sp. (orchid)	India			1	Washington.
Diplodia taxi (Sow. ex Fr.) De N.:					
Taxus cuspidata (Japanese yew)	Japan			1	Do.
Diplodia theobromae (Pat.) Nowell:					
Lecythis zabucajo (monkeypot tree)	Jamaica			1	California.*
Manihot sp.	Honduras			1	Do.
Musa paradisiaca (plantain)	Cuba	1			New York.
Nymphaea sp. (waterlily)	do	1			Do.
Palm nut	British Guiana	1			Do.
Philodendron lacerum	Guatemala			1	California.*
Diplodina eurhododendri Voss:					
Rhododendron sp.	Norway			1	New York.
Diplodina grossulariae Sacc. & Briand:					
Ribes sp.	Denmark, Germany.			2	New Jersey, New York.
Ditylenchus destructor Thorne (?):					
Arachis sp.	Uruguay			1	District of Columbia.
Ditylenchus dipsaci (Kuhn) Filip.:					
Allium sativum (garlic)	Mexico	25			Texas.
Narcissus sp.	Netherlands			1	Michigan.
Ditylenchus sp. (undescribed):					
Colchicum speciosum	do			1	New Jersey.
Iris histrioides major	do			1	Do.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Ditylenchus sp.—Continued					
Iris sindjarensis (Aleppo iris)	do			2	New Jersey.
Iris sp.	do			1	Do.
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (sour lime)	Brazil		2		California,* Massachusetts.
Citrus limon (lemon)	Argentina, Brazil.	1	21		Alabama, California*, Louisiana, Maryland, New York, Pennsylvania, Texas.
Citrus reticulata (tangerine)	Argentina		1		New York.
Citrus sinensis (orange)	Argentina, Brazil, Uruguay.		22		Alabama, California*, Florida*, Maryland, Massachusetts, New York, Pennsylvania, Texas, Virginia.
Elsinoe phaseoli Jenkins:					
Phaseolus lunatus macrocarpus (lima bean)	Cuba, Puerto Rico.	7			New York.
Elsinoe piri Jenkins:					
Malus sylvestris (apple)	Poland	1			Do.
Eutypella bambusina Penz. & Sacc.:					
Bamboo	Guatemala	1		1	District of Columbia, New York.
Exobasidium vaccinii (Fckl.) Woron.:					
Rhododendron sp.	Hawaii			1	California.*
Fusarium oxysporum Schlecht.:					
Crocus sp.	Netherlands			1	New York.
Iris var. Imperator	do			1	Washington.
Fusarium oxysporum Schlecht. f. *gladioli* (Massey) Snyd. & Hansen:					
Gladiolus sp.	Canada, Germany, Netherlands.			9	Florida, New York.
Fusarium oxysporum Schlecht. f. *narcissi* Snyd. & Hansen:					
Narcissus sp.	Netherlands			15	California*, Michigan, Minnesota, New York, Pennsylvania.
Fusicladium pyracanthae (Otth.) Rostr.:					
Pyracantha coccinea lalandi	do			1	New Jersey.
Fusicoccum galericulatum Sacc.:					
Fagus sp.	Belgium			1	Do.
Gliomastix convoluta (Harz) Mason:					
Eleocharis dulcis (waternut)	China	2			California.*
Lilium speciosum punctatum	Japan			1	Do.
Narcissus sp.	Netherlands			1	Do.
Solanum tuberosum (potato)	England, France.		2		Do.
Zingiber officinale (ginger)	China	13			Do.
Gliomastix penicilloides Cda.:					
Brassica napobrassica (rutabaga)	Australia		1		Pennsylvania.
Gloeosporium affine Sacc.:					
Hoya sp.	do			1	Washington.
Gloeosporium affine Sacc. (?):					
Vanda sp. (orchid)	India			1	Do.
Gloeosporium beyrodtii Klitzing:					
Vanda sp.	do	1		1	Hawaii, Washington.
Gloeosporium catechu Syd.:					
Palm	Guam			1	California.*

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Gloeosporium orchidearum Karst.: Orchid	British West Indies.			1	Massachusetts.
Gloeosporium piperatum Ell. & Ev.: *Capsicum frutescens* (pepper)	Cuba		1		New York.
Gloeosporium rhododendri Briosi & Cav.: *Rhododendron* sp.	England			4	Washington.
Gymnosporangium haraeanum Syd.: *Cupressus* sp. (cypress)	Japan			2	Do.
Juniperus sp. (?)	do			1	Do.
Helminthosporium avenae Eidam: *Avena* sp.	England	1			California.*
Helminthosporium carposaprum Pollack: *Lycopersicon esculentum* (tomato)	Mexico	2			Texas.
Helminthosporium oryzae Breda de Haan: *Oryza sativa* (rice)	Canal Zone, Hawaii, Japan, Mexico.	2		2	Arizona, District of Columbia, Louisiana, New York.
Heterodera goettingiana Liebscher: *Camellia* sp.	Azores			1	New Jersey.
Soil around strawberry roots	Denmark			1	District of Columbia.
Heterodera punctata Thorne: Soil with Orchid	England			1	New Jersey.
Heterodera rostochiensis Wr.: Soil with *Cyclamen* sp.	Germany			1	Alabama.
Soil with *Juniperus* sp.	England			1	New York.
Soil with nursery stock	do			1	Do.
Soil with perennial plants	do			1	New Jersey.
Soil with *Primula* sp.	do			1	Do.
Soil with shamrocks	Ireland	1			New York.
Soil with plants	England, Germany.			5	New Jersey, New York.
Heterosporium allii Ell. & G. Martin: *Allium sativum* (garlic)	Mexico	1			Texas.
Heterosporium ornithogali (Klotzsch) Cke.: *Ornithogalum thyrsoides* (chinkerichee)	Union of South Africa.	1			New York.
Hormodendron cladosporioides (Fres.) Sacc.: *Lycopersicon esculentum* (tomato)	Mexico	1	1		Texas.
Phaseolus vulgaris (kidney bean)	Egypt		1		Pennsylvania.
Isariopsis griseola Sacc.: *Phaseolus vulgaris* var. (string bean)	Puerto Rico	2			New York.
Karschia lignyota (Fr.) Sacc.: *Magnolia* sp.	Netherlands			1	Washington.
Lachnum virgineum (Batsch ex Fr.) Karst.: *Rhododendron molle*	do			1	New Jersey.
Laestadia ruozii (Mont.) Sacc.: *Erica* sp. (?)	Union of South Africa.	1			Do.
Leptosphaeria berberidis Rick: *Berberis* sp.	Germany			1	New York.
Leptosphaeria heterospora (De N.) Niessl: *Iris* sp.	Netherlands			1	New Jersey.
Leptosphaeria musarum Sacc. & Berl.: *Musa paradisiaca sapientum* (banana)	Colombia, Guatemala.	2			Maryland.
Leptosphaeria opuntiae Dodge: *Echinocactus texensis* (cactus)	Mexico			1	New Jersey.
Leptosphaeria rusci (Wallr.) Sacc.: *Ruscus* sp.	Italy	3			Pennsylvania.
Leptothyrium berberidis Cke. & Mass.: *Berberis* sp.	Germany			1	New York.
Leptothyrium pomi (Mont. & Fr.) Sacc.: *Citrus reticulata* (tangerine)	China	1			Hawaii.
Malus sylvestris (apple)	France		1		New York.
Lophodermium juniperinum (Fr.) De N.: *Juniperus* sp.	Japan			1	Washington.
Lophodermium oxycocci (Fr.) Karst.: *Vaccinium ovatum* (box blueberry)	British Columbia.	1			New York.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Macrophoma musae (Cke.) Berl. & Vogl.:					
Musa paradisiaca sapientum (banana)	India, Pakistan, Philippines.	2	7		California*, Hawaii, New York.
Musa sp.	Philippines	2			Hawaii.
Marsonina populi (Lib.) Magn.:					
Populus tremula (European aspen)	Germany	1			Pennsylvania.
Melanospora zamiae Cda.:					
Eleocharis dulcis (waternut)	China	1			California.*
Pueraria thunbergiana (kudzu-bean)	do	1			Do.
Zingiber officinale (ginger)	do	3			Do.
Memnoniella echinata (Rivolta) L. O. Gall.:					
Cattleya mossiae (orchid)	Costa Rica			1	Texas.
Colocasia esculenta (dasheen)	China	2			California.*
Eleocharis dulcis (waternut)	do	1			Do.
Musa paradisiaca sapientum (banana)	Fiji Islands	1			Do.
Oryza sativa (rice)	Japan		1		Do.
Zingiber officinale (ginger)	China, Hawaii	11			Do.
Metasphaeria caraguata Speg.:					
Bromeliad	Costa Rica			1	Texas.
Monilinia fructigena (Aderh. & Ruhl.) Honey:					
Malus sylvestris (apple)	do		1		New York.
Prunus persica (peach)	Portugal	1			Pennsylvania.
Monochaetia paeoniae (Maubl.) Sacc. & D. Sacc.:					
Paeonia suffruticosa (tree peony)	Japan			1	California.*
Mononchus papillatus Bastian:					
Soil around azalea plants	Netherlands			1	Alabama.
Mycosphaerella allicina (Fr.) Vest.:					
Allium ascalonicum (shallot)	do		1		Oregon.
Mycosphaerella citrullina (C. O. Sm.) Gross:					
Cucumis sativus (cucumber)	Mexico	1			Texas.
Sechium edule (chayote)	Haiti		1		Louisiana.
Mycosphaerella clintoniana House:					
Rhododendron indicum (indica azalea)	Belgium			1	New Jersey.
Rhododendron sp.	England			1	Washington.
Mycosphaerella fragariae (Tul.) Lindau:					
Fragaria sp.	England			1	California.*
Mycosphaerella maculiformis (Pers. ex Fr.) Schroet.:					
Castanea sp. (chestnut)	Italy			1	New York.
Mycosphaerella opuntiae (Ell. & Ev.) Dearn.:					
Coryphantha erecta (cactus)	Mexico			1	Texas.
Opuntia compressa (pricklypear)	do			1	Do.
Opuntia sp.	do			5	Do.
Mycosphaerella philodendri (Pat.) Lindau:					
Philodendron sp.	do			1	Do.
Mycosphaerella pinodes (Berk. & Blox.) Stone:					
Pisum sativum (pea)	do	1			Do.
Mycosphaerella pomi (Pass.) Lindau:					
Malus sylvestris (apple)	Italy			1	New Jersey.
Mycosphaerella rhododendri (Cke.) G. H. Martin:					
Rhododendron sp.	Netherlands			2	Do.
Myrothecium roridum Tode ex Fr.:					
Lycopersicon esculentum (tomato)	Mexico	2			Texas.
Naemacyclus niveus (Pers. ex Fr.) Sacc.:					
Pinus sylvestris (Scotch pine)	Denmark			1	New Jersey.
Neovossia horrida (Tak.) Padwick & Azmatullah Khan:					
Oryza sativa (rice)	Service mail	1			Washington.
Neovossia indica (Mitra) Mund.:					
Triticum aestivum (wheat)	India			2	District of Columbia.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Nigrospora sphaerica (Sacc.) Mason:					
Anthurium sanguineum	Guatemala			1	California.*
Oryza sativa (rice)	Japan, Portugal.	4			Do.
Zea mays (corn)	Colombia			1	Do.
Omphalia flavida (Cke.) Maub. & Rangel:					
Gardenia augusta (gardenia)	Mexico	22			California* Texas.
Orbilia rubella (Pers. ex Fr.) Karst.:					
Eriobotrya japonica (loquat)	do	1			Texas.
Papularia sphaerosperma (Fr.) Hoehn.:					
Bambusa sp. (bamboo)	India			1	California.*
Papulaspora parasitica (Eidam) Harz.:					
Tulipa sp. (tulip)	Netherlands			1	Do.
Periola hirsuta (Schum.) Fr.:					
Orchid	Venezuela		1		Maryland.
Peronospora effusa (Grev.) Rab.:					
Spinacia oleracea (spinach)	Mexico	4			Arizona, Texas.
Peronospora pisi (D By.) Syd.:					
Pisum sativum (pea)	Portugal		1		Texas.
Pestalotia conspicua Servazzi:					
Cattleya lueddemanniana (orchid)	Venezuela			1	Do.
Cattleya mossiae	do			1	California.*
Stanhopea sp. (orchid)	Peru			1	Do.
Vanda sp. (orchid)	Siam			1	Do.
Pestalotia cryptomeriae Cke.:					
Cryptomeria japonica (cryptomeria)	Japan			1	Washington.
Pestalotia funerea Desm.:					
Juniperus excelsa	South America	1			New York.
Mangifera indica (mango)	Mexico	1			Texas.
Pinus sp. (3-leaved pine)	do			1	Do.
Pestalotia inconspicua Servazzi:					
Laelia sp. (orchid)	do			1	Do.
Pestalotia macrotricha Kleb.:					
Rhododendron sp.	England, Netherlands.			3	New Jersey, Washington.
Pestalotia microspora Speg.:					
Laelia anceps (orchid)	Mexico			1	Texas.
Laelia sp.	do			1	Do.
Pestalotia nucicola Ell. & Ev.:					
Castanea sp. (chestnut)	Italy	1			Do.
Pestalotia palmarum Cke.:					
Palm	Canal Zone, Mexico, St. Lucia.	1		2	New York, Texas, Washington.
Pestalotia peregrina Ell. & Mart.:					
Pinus mugo (?)	Denmark			1	New Jersey.
Pinus sylvestris (Scotch pine)	do			1	Do.
Pestalotia psidii Pat.:					
Psidium guajava (guava)	Mexico	2			Texas.
Pezizella lythri Shear & Dodge:					
Paeonia suffruticosa (tree peony)	France			1	New Jersey.
Rosa sp.	England			1	Do.
Phaeosphaerella senniana Sacc. (?):					
Protea cynarioides (honeypot protea)	Union of South Africa.			1	Do.
Phaeosphaeria oryzae Miyake:					
Oryza sativa (rice)	China, Japan.	4	1		California.*
Phoma citricarpa McAlp.:					
Citrus grandis (pummelo)	China	1			Do.
Citrus limon (lemon)	Australia, Formosa.		4		California*, Massachusetts, New York, Pennsylvania.
Citrus paradisi (grapefruit)	Australia		2		California*, Washington.
Citrus reticulata (Mandarin orange)	China	23	3		California*, Hawaii, Minnesota, New York, Washington.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Phoma citricarpa—Continued					
Citrus sinensis (orange)	Australia, Canton Island, China, Japan, Union of South Africa.	51	11		Alaska, California*, Hawaii, Massachusetts, New York, Pennsylvania, Washington.
Phoma insidiosa Tassi:					
Sorghum vulgare (sorghum)	India, Kenya.			4	District of Columbia.
Phoma japonica Sacc.:					
Kerria japonica (kerria)	Japan			1	Washington.
Phoma pinicola (Zopf) Sacc.:					
Pinus contorta (shore pine)	Canada			1	Do.
Phomopsis capsici (Magn.) Sacc.:					
Capsicum frutescens (pepper)	Barbados, Cuba.	2			Massachusetts, New York.
Phomopsis magnoliae Died.:					
Magnolia sp.	Netherlands			1	New Jersey.
Phomopsis phoenicola Trav.:					
Phoenix sp.	Azores			1	Massachusetts.
Phomopsis seposita (Sacc.) Trav.:					
Wisteria sinensis (Chinese wisteria)	Netherlands			1	New Jersey.
Wisteria sp.	do			1	Do.
Phomopsis sorbicola Grove:					
Sorbus aucuparia (European mountain-ash)	do			1	Do.
Phragmidium disciflorum (Tode) James:					
Rosa sp.	Egypt, Italy		1	1	New York, Pennsylvania.
Phyllachora engleri Speg.:					
Anthurium sp. (?)	Guatemala				New Jersey.
Phyllosticta aucubicola Sacc.:					
Aucuba sp.	Netherlands			1	Do.
Phyllosticta camelliae West.:					
Camellia japonica (camellia)	England			1	Do.
Phyllosticta codiaecola Died.:					
Codiaeum sp. (croton)	Bermuda			1	New York.
Phyllosticta concava Seaver:					
Opuntia sp. (cactus)	Mexico			1	Texas.
Phyllosticta draconis Berk.:					
Cordyline terminalis (dracena)	Hawaii	1			California.*
Phyllosticta glumarum (Ell. & Tracy) Miyake:					
Oryza sativa (rice)	Mexico	1			Arizona.
Phyllosticta laeliae Keissl.:					
Brassia verrucosa (orchid)	Guatemala			1	California.*
Laelia anceps (orchid)	Mexico			3	Texas.
Laelia autumnalis	do			1	Do.
Laelia furfuracea	do			1	Do.
Laelia majalis	do			1	Do.
Laelia sp.	do			5	California*, Texas.
Phyllosticta leucothoes Ell. & Mart.:					
Leucothoe catesbaei (drooping leucothoe)	Netherlands			1	New Jersey.
Phyllosticta mortoni Fairm.:					
Mangifera indica (mango)	Mexico	1			Texas.
Phyllosticta narcissi Aderh.:					
Narcissus sp.	Netherlands			1	California.*
Phyllosticta nerii West.:					
Nerium oleander (oleander)	Bermuda			1	Maryland.
Phyllosticta ruscicola Dur. & Mont.:					
Ruscus sp.	Italy	4			New York, Pennsylvania.
Phyllosticta saccardoi Thuem.:					
Rhododendron sp.	England			1	Washington.
Physalospora camptospora Sacc.:					
Laelia anceps (orchid)	Mexico			2	Texas.
Laelia superbiens	do			1	Do.
Laelia sp.	do			2	Do.
Stanhopea sp. (orchid)	do			1	Do.

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Physalospora cattleyae Maub. & Lasnier:					
Laelia sp. (orchid)	Mexico, Venezuela.			3	Texas.
Physalospora ilicis (Fr.) Sacc.:					
Ilex sp. (holly)	Korea			1	California.*
Physalospora obtusa (Schw.) Cke.:					
Genista sp.	Germany			1	New York.
Pyrus communis (pear)	Spain	1			Pennsylvania.
Physalospora orchidearum P. Henn.:					
Dendrobium sp. (orchid)	Australia			1	New Jersey.
Physalospora wildemaniana Sacc.:					
Cattleya sp. (orchid)	Colombia			1	Texas.
Laelia anceps (orchid)	Mexico			1	Do.
Laelia sp.	do			1	Do.
Stanhopea sp. (orchid)	do			1	Do.
Phytophthora cactorum (Leb. & Cohn) Schroet.:					
Cucurbita maxima (squash)	do	1			Do.
Phytophthora parasitica Dast.:					
Lycopersicon esculentum (tomato)	Jamaica	1			Alabama.
Plasmodiophora brassicae Wor.:					
Brassica rapa (turnip)	England		1		Pennsylvania.
Polyporus occidentalis Klotzsch:					
Hura crepitans (?)	Brazil	2			New York.
Prospodium appendiculatum (Wint.) Arth.:					
Stenolobium stans (Florida yellowtrumpet)	Mexico		1		Texas.
Pseudomonas marginata (McCull.) Stapp:					
Gladiolus sp.	Italy, Netherlands.			4	Illinois, New York.
Sparaxis grandiflora (big wandflower)	Union of South Africa.			1	New Jersey.
Pseudomonas phaseolicola (Burk.) Dowson:					
Phaseolus vulgaris (kidney bean)	Mexico	2			Texas.
Pseudomonas solanacearum E. F. Sm.(?):					
Solanum tuberosum (potato)	do	1			Do.
Pseudomonas syringae v Hall:					
Persea americana (avocado)	do	1			Do.
Pseudopeziza medicaginis (Lib.) Sacc.:					
Medicago sativa (alfalfa)	Germany	1			New York.
Pseudopeziza trifolii (Biv.-Bern.) Fckl.:					
Trifolium repens var. shamrock	Ireland	1			Do.
Puccinia allii (DC.) Rud.:					
Allium sativum (garlic)	France		1		Texas.
Puccinia arenariae (Schum.) Wint.:					
Gypsophila sp.	Portugal		1		Massachusetts.
Puccinia chrysanthemi Roze:					
Chrysanthemum morifolium var.	Japan	1			Washington
Puccinia cichorii (DC.) Bellynck:					
Cichorium intybus (chicory)	Belgium	1			New York.
Puccinia glumarum (Schmidt) Eriks. & E. Henn.:					
Hordeum vulgare (barley)	Japan		1		Louisiana.
Triticum aestivum (wheat)	Turkey			1	District of Columbia.
Puccinia ornithogali-thyrsoides Diet.:					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa.	5			Maryland, Massachusetts, New York, Pennsylvania.
Puccinia phragmitis (Schum.) Koern.:					
Phragmites communis (reed)	Chile, England, France, Netherlands.	4			New York, Ohio.
Puccinia porri (Sow.) Wint.:					
Allium sativum (garlic)	Italy	1			Louisiana.
Puccinia urbaniana P. Henn.:					
Stachytarpheta jamaicensis	Puerto Rico	1			New York.

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Puccinia violae (Schum.) DC.:					
Viola cornuta (horned violet)	Sweden, unknown.	1	1		New York.
Pucciniastrum myrtilli (Schum.) Arth.:					
Rhododendron sp.	England			1	Washington.
Pyrenochaeta oryzae Miyake:					
Oryza sativa (rice)	India		1		Pennsylvania.
Rabenhorstia rudis Fr.:					
Laburnum watereri (waterer laburnum)	Netherlands			1	New Jersey.
Laburnum sp.	do			1	Do.
Rhizopus necans Mass.:					
Lycoris sp.	China			1	Do.
Schizophyllum commune Fr.:					
Hura crepitans (?)	Brazil	1			New York.
Tilia tomentosa	Italy			1	New Jersey.
Sclerotinia kerneri Wettst.:					
Abies sp.	Greece	1			New York.
Sclerotinia minor Jagger:					
Cichorium endivia (endive)	Belgium	3			Do.
Sclerotinia trifoliorum Eriks.:					
Trifolium sp. (clover)	Afghanistan			1	District of Columbia.
Sclerotium cepivorum Berk.:					
Allium sativum (garlic)	Italy	3	1		Massachusetts, New York, Pennsylvania.
Sclerotium delphinii Welch:					
Iris tingitana (Morocco iris)	France			1	New Jersey.
Septobasidium pseudopedicellatum Burt:					
Citrus sinensis (orange)	Brazil		1		New York.
Septoria ampelina Berk. & Curt.:					
Vitis sp. (grape)	Mexico			1	Texas.
Septoria azaleae Vogl.:					
Rhododendron sp. (Azalea vuylstukeana)	Netherlands			1	New Jersey.
Rhododendron sp.	Belgium, England, Netherlands.			21	New Jersey, Washington.
Septoria bambusella Speg.:					
Bamboo	China	1			Washington.
Septoria castanicola Desm.:					
Castanea sp. (chestnut)	Italy			1	New Jersey.
Septoria chrysanthemi Allesch.:					
Chrysanthemum sp.	Bermuda, England, Netherlands.	1		3	Maryland, New Jersey.
Septoria citri Pass.:					
Citrus limon (lemon)	Italy, Portugal		2		Pennsylvania.
Septoria cyclaminis Dur. & Mont.:					
Cyclamen europaeum (European cyclamen)	Switzerland			1	New York.
Cyclamen sp.	Italy			1	New Jersey.
Septoria dianthi Desm.:					
Dianthus sp. (carnation)	Australia, Azores, Brazil, Portugal.	1	1	5	California*, Massachusetts, New York.
Septoria divaricatae Ell. & Ev.:					
Phlox sp.	England			1	New Jersey.
Septoria epipactidis Sacc. (?):					
Cypripedium insigne (orchid)	India			1	California.*
Septoria leucanthemi Sacc. & Speg.:					
Chrysanthemum maximum (Shasta daisy)	Mexico	2			Texas.
Chrysanthemum morifolium var.	Japan	1			Washington.
Septoria limonum Pass.:					
Citrus limon (lemon)	Algeria		1		Pennsylvania.
Septoria nodorum Berk.:					
Triticum aestivum (wheat)	India			1	District of Columbia.
Septoria oryzae Catt.:					
Oryza sativa (rice)	Japan	2			New York, Pennsylvania.

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Septoria posekensis Sacc.:					
Bulbophyllum sp. (?)	India			1	New Jersey.
Coelogyne cristata (orchid)	do			1	California.*
Cymbidium devonianum (orchid)	do			2	New Jersey.
Cymbidium pendulum	do			1	California.*
Cypripedium insigne (orchid)	do			1	Do
Odontoglossum citrosmum (orchid)	Mexico			6	Texas.
Oncidium varicosum rogersi (orchid)	Brazil			1	Florida.
Oncidium sp.	Mexico			1	Texas.
Septoria pyricola Desm.:					
Pyrus communis (pear)	Italy	1			Michigan.
Septoria unedonis Rob. & Desm.:					
Arbutus unedo (strawberry-tree)	do			1	New York.
Sorosporium reiliana (Kuehn) McAlp.:					
Sorghum vulgare (sorghum)	India			1	District of Columbia.
Sorghum vulgare technicum (broomcorn)	Argentina, Rumania.	4			New York
Sphaceloma fawcettii Jenkins:					
Citrus sp.	Mexico	1			Texas.
Stachybotrys subsimplex Cke.:					
Musa paradisiaca sapientum (banana)	Panama	1			California.*
Stachylidium theobromae Turc.:					
Musa paradisiaca (plantain)	Cuba, Dominican Republic, Honduras, Puerto Rico.	3	1		New York.
Musa paradisiaca sapientum (banana)	Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Panama, Puerto Rico, Sierra Leone.	16	1		California*, New York, Pennsylvania.
Stagonospora berberidina Sacc.:					
Berberis sp.	Germany			1	New York.
Stagonospora gigantea Heald & Wolf:					
Agave scabra	Mexico			1	Texas.
Stagonospora graminella Sacc.:					
Triticum aestivum (wheat)	India			1	District of Columbia.
Stemphylium botryosum Wallr.:					
Allium cepa (onion)	Mexico	3			Texas.
Allium porrum (leek)	France		1		Pennsylvania.
Allium sativum (garlic)	Mexico	2			Texas.
Crassula sp.	Bermuda	1			Virginia.
Dianthus sp. (carnation)	Denmark, Netherlands, Panama, Portugal (?)	2	1	1	Massachusetts, New Jersey, New York, Virgina.
Hyacinthus sp.	Netherlands			1	Washinigton.
Nerium oleander (oleander)	Bermuda			1	Maryland.
Stemphylium ilicis Tengwall:					
Hyacinthus sp.	Netherlands	1		4	New York, Pennsylvania, Texas, Virginia.
Muscari sp.	do			1	Michigan.
Stemphylium radicinum (Meier, Drechs. & Eddy) Neerg.:					
Daucus carota (carrot)	England		1		Alabama.
Hyacinthus sp.	Netherlands			1	Washington.
Stilbum incarnatum Wakk.:					
Aglaonema simplex (China green)	China			1	California.*
Eleocharis dulcis (waternut)	do	3			Do.
Thecopsora areolata (Fr.) P. Magn.:					
Prunus sp. (cherry)	Finland			1	Washington.
Thielaviopsis basicola (Berk. & Br.) Ferr.:					
Sinningia speciosa (gloxinia)	Belgium, Netherlands.			27	New York, Pennsylvania.
"Tomato pox":					
Lycopersicon esculentum (tomato)	Mexico	6			Texas.

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		Consumption	Nonentry	Propagation	
Trichoderma lignorum (Tode) Harz.:					
Leucojum sp. (snowflake)	Netherlands			1	New Jersey.
Tritirachium dependens Limber:					
Cyclamen sp.	Italy			1	Do.
Tylenchorhynchus claytoni Steiner:					
Soil around azaleas	Netherlands			1	Alabama.
Tylenchus putrefaciens Kuhn:					
Allium sativum (garlic)	Mexico	1			Texas.
Uredo anthurii (Hariot) Sacc.:					
Anthurium sp.	Guatemala			1	California.*
Uredo autumnalis Diet.:					
Chrysanthemum morifolium var.	Japan	1			Washington.
Uredo behnickiana P. Henn.:					
Epidendrum sp. (orchid)	Mexico			1	Texas.
Laelia anceps (orchid)	do			2	Do.
Oncidium sp. (orchid)	Brazil			2	New Jersey.
Uredo oncidii P. Henn.:					
Oncidium cavendishianum (orchid)	Mexico			1	Texas.
Oncidium lanceanum	Trinidad			1	New Jersey.
Urocystis colchici (Schlecht.) Rab.:					
Colchicum autumnale (autumn crocus)	Netherlands			3	Do.
Colchicum autumnale album (white autumn crocus)	do			3	Do.
Colchicum sp.	do			10	Do.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis (maile alyxia)	Hawaii	6			California.*
Uromyces compactus Pk.:					
Aster spinosus (devilweed aster)	Mexico	1			Texas.
Uromyces coronatus Miy. & Nish.:					
Oryza sativa (rice)	Japan	2			New York, Pennsylvania.
Zizania latifolia (Asiatic wildrice)	do	1			Massachusetts.
Zizania sp.	do	1			Do.
Uromyces fabae (Pers.) D. By.:					
Pisum sativum (pea)	India		1		New York.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza bicolor var. *japonica*	Japan			1	District of Columbia.
Uromyces limonii (DC.) Lev.:					
Limonium sinuatum	Switzerland	1			Michigan.
Uromyces polygoni (Pers.) Fckl.:					
Rumex sp.	Netherlands	1			Oregon.
Ustilago allii McAlp.:					
Allium cepa (onion)	Australia	1			Washington.
Ustilago esculenta P. Henn.:					
Zizania latifolia (Asiatic wildrice)	Japan	2			New York, Pennsylvania.
Ustilago nuda (Jens.) Rostr.:					
Hordeum vulgare (barley)	Italy	1			Washington.
Ustilago perennans Rostr.:					
Arrhenatherum elatius (tall oatgrass)	Czechoslovakia.	1			Ohio.
Ustilago tritici (Pers.) Rostr.:					
Cereal	Netherlands	1			Texas.
Triticum aestivum (wheat)	Italy	1			New York.
Venturia inaequalis (Cke.) Wint. *cinerascens* (Fckl.) Aderh.:					
Sorbus domestica (servicetree)	do	1			Pennsylvania.
Vermicularia dematium Fr.:					
Cajanus cajan (pigeonpea)	Puerto Rico	1			New York.
Dianthus sp. (carnation)	England			1	Massachusetts.
Volutella buxi (Cda.) Berk.:					
Buxus sp.	Netherlands			1	New Jersey.
Volutella roseolum Cke.:					
Deutzia sp.	do			1	Do.
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantifolia (sour lime)	Ceylon, Egypt, India, Orient, Siam.		12		California*, Massachusetts, New York, Washington.

List of pests (diseases) collected and reported from July 1, 1948, to June 30, 1949, inclusive —Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Xanthomonas citri—Continued					
Citrus aurantifolia (sweet lime)	Philippines		1		New York.
Citrus grandis (pummelo)	China	1			California.*
Citrus limon (lemon)	India, Japan		3		California*, Washington.
Citrus paradisi (grapefruit)	India (?), Philippines, unknown.	1	2		California*, New York.
Citrus reticulata (Mandarin orange)	China	1	1		California*, Washington.
Citrus sinensis (orange)	China, Japan, Straits Settlements.	7	3		California*, Hawaii.
Citrus sinensis (Navel orange)	Japan		1		Oregon.
Xanthomonas hyacinthi (Wakk.) Dowson: *Hyacinthus* sp.	Netherlands			3	Michigan.
Xanthomonas vesicatoria (Doidge) Dowson: *Capsicum frutescens* (pepper)	Mexico	1			Texas.

ABIES:
Sclerotinia kerneri (Ascomycetes)
AGAVE:
Cercospora fourcroyae (Deuteromycetes)
Colletotrichum agaves (Deuteromycetes)
Stagonospora gigantea (Deuteromycetes)
AGLAONEMA:
Stilbum incarnatum (Deuteromycetes)
AGROPYRON:
Claviceps purpurea (Ascomycetes)
AGROSTIS:
Claviceps microcephala (Ascomycetes)
ALLIUM ASCALONICUM:
Mycosphaerella allicina (Ascomycetes)
ALLIUM CEPA:
Alternaria porri (Deuteromycetes)
Curvularia lunata (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
Ustilago allii (Promycetes)
ALLIUM PORRUM:
Stemphylium botryosum (Deuteromycetes)
ALLIUM SATIVUM:
Botrytis elliptica (Deuteromycetes)
Ditylenchus dipsaci (Nematoda)
Heterosporium allii (Deuteromycetes)
Puccinia allii (Promycetes)
Puccinia porri (Promycetes)
Sclerotium cepivorum (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
Tylenchus putrefaciens (Nematoda)
ALYXIA:
Uromyces alyxiae (Promycetes)
ANTHURIUM:
Nigrospora sphaerica (Deuteromycetes)
Phyllachora engleri (Ascomycetes)
Uredo anthurii (Promycetes)
ARACHIS:
Ditylenchus destructor (?) (Nematoda)
ARBUTUS:
Septoria unedonis (Deuteromycetes)
ARRHENATHERUM:
Ustilago perennans (Promycetes)
ASPIDISTRA:
Colletotrichum omnivorum (Deuteromycetes)
ASTER:
Acrobeles ciliatus (Nematoda)
Aphelenchus avenae (Nematoda)
Uromyces compactus (Promycetes)
AUCUBA:
Phyllosticta aucubicola (Deuteromycetes)
AVENA:
Helminthosporium avenae (Deuteromycetes)
BAMBOO:
Eutypella bambusina (Ascomycetes)
Septoria bambusella (Deuteromycetes)
BAMBUSA:
Papularia sphaerosperma (Deuteromycetes)
BERBERIS:
Leptosphaeria berberidis (Ascomycetes)
Leptothyrium berberidis (Deuteromycetes)
Stagonospora berberidina (Deuteromycetes)
BRACHIARIA:
Collectotrichum graminicolum (Deuteromycetes)
BRASSIA:
Phyllosticta laeliae (Deuteromycetes)
BRASSICA NAPOBRASSICA:
Gliomastix penicilloides (Deuteromycetes)
BRASSICA RAPA:
Plasmodiophora brassicae (Myxomycetes)
BROMELIAD:
Metasphaeria caraguata (Ascomycetes)
BULBOPHYLLUM (?):
Septoria posekensis (Deuteromycetes)
BUXUS:
Volutella buxi (Deuteromycetes)
CAJANUS:
Colletotrichum cajani (Deuteromycetes)
Vermicularia dematium (Deuteromycetes)
CAMELLIA:
Camellia yellow-spot virus
Heterodera goettingiana (Nematoda)
Phyllosticta camelliae (Deuteromycetes)
CAMPANULA:
Coleosporium campanulae (Promycetes)
CAPSICUM:
Curvularia lunata (Deuteromycetes)
Gloeosporium piperatum (Deuteromycetes)
Phomopsis capsici (Deuteromycetes)
CAPSICUM—Continued
Xanthomonas vesicatoria (Schizomycetes)
CASTANEA:
Cytospora ceratophora (Deuteromycetes)
Mycosphaerella maculiformis (Ascomycetes)
Pestalotia nucicola (Deuteromycetes)
Septoria castanicola (Deuteromycetes)
CATTLEYA:
Memnoniella echinata (Deuteromycetes)
Pestalotia conspicua (Deuteromycetes)
Physalospora wildemaniana (Ascomycetes)
CHRYSANTHEMUM:
Puccinia chrysanthemi (Promycetes)
Septoria chrysanthemi (Deuteromycetes)
Septoria leucanthemi (Deuteromycetes)
Uredo autumnalis (Promycetes)
CICHORIUM:
Puccinia cichorii (Promycetes)
Sclerotinia minor (Ascomycetes)
CITRULLUS:
Colletotrichum lagenarium (Deuteromycetes)
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Xanthomonas citri (Schizomycetes)
CITRUS GRANDIS:
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
Cancrosis "B":
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Septoria limonum (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS PARADISI:
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA:
Elsinoe australis (Ascosmycetes)
Leptothyrium pomi (Deuteromycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Diaporthe citri (Ascomycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septobasidium pseudopedicellatum (Basidiomycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SP.:
Phoma citricarpa (Deuteromycetes)
Sphaceloma fawcettii (Deuteromycetes)
COCOS:
Botryosphaeria ribis (Ascomycetes)
CODIAEUM:
Phyllosticta codiaecola (Deuteromycetes)
COELOGYNE:
Septoria posekensis (Deuteromycetes)
COLCHICUM:
Ditylenchus sp. (undescribed) (Nematoda)
Urocystis colchici (Promycetes)
COLOCASIA:
Memnoniella echinata (Deuteromycetes)
CONVALLARIA:
Aphelenchus aderholdi (Nematoda)
CORDYLINE:
Phyllosticta draconis (Deuteromycetes)
CORYPHANTHA:
Mycosphaerella opuntiae (Ascomycetes)
CRASSULA:
Stemphylium botryosum (Deuteromycetes)
CROCUS:
Fusarium oxysporum (Deuteromycetes)
CRYPTOMERIA:
Pestalotia cryptomeriae (Deuteromycetes)
CUCUMIS:
Mycosphaerella citrullina (Ascomycetes)
CUCURBITA:
Phytophthora cactorum (Phycomycetes)
CUPRESSUS:
Gymnosporangium haraeanum (Promycetes)
CYCLAMEN:
Septoria cyclaminis (Deuteromycetes)
Tritirachium dependens (Deuteromycetes)
CYMBIDIUM:
Chaetomium indicum (Ascomycetes)
Septoria posekensis (Deuteromycetes)

CYPRIPEDIUM:
Septoria epipactidis (?) (Deuteromycetes)
Septoria posekensis (Deuteromycetes)
DAHLIA:
Cytospora dahliae (Deuteromycetes)
DAUCUS:
Stemphylium radicinum (Deuteromycetes)
DENDROBIUM:
Physalospora orchidearum (Ascomycetes)
DEUTZIA:
Volutella roseolum (Deuteromycetes)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
Septoria dianthi (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
Vermicularia dematium (Deuteromycetes)
ECHINOCACTUS:
Leptosphaeria opuntiae (Ascomycetes)
ELEOCHARIS:
Gliomastix convoluta (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
Memnoniella echinata (Deuteromycetes)
Stilbum incarnatum (Deuteromycetes)
EPIDENDRUM:
Uredo behnickiana (Promycetes)
ERICA:
Laestadia rouxii (Ascomycetes)
ERIOBOTRYA:
Orbillia rubella (Ascomycetes)
FAGUS:
Fusicoccum galericulatum (Deuteromycetes)
FESTUCA:
Claviceps purpurea (Ascomycetes)
FRAGARIA:
Mycosphaerella fragariae (Ascomycetes)
GALANTHUS:
Botrytis galanthina (Deuteromycetes)
GARDENIA:
Omphalia flavida (Deuteromycetes)
GENISTA:
Physalospora obtusa (Ascomycetes)
GLADIOLUS:
Botrytis gladiolorum (Deuteromycetes)
Fusarium oxysporum f. *gladioli* (Deuteromycetes)
Pseudomonas marginata (Schizomycetes)
GYPSOPHILA:
Alternaria gypsophilae (Deuteromycetes)
Puccinia arenariae (Promycetes)
HAWORTHIA:
Ascochyta haworthiae (Deuteromycetes)
HELLEBORUS:
Coniothyrium hellebori (Deuteromycetes)
HIBISCUS:
Cercospora malayensis (Deuteromycetes)
HORDEUM:
Puccinia glumarum (Promycetes)
Ustilago nuda (Promycetes)
HOYA:
Gloeosporium affine (Deuteromycetes)
HURA:
Cytospora chrysosperma (Deuteromycetes)
Polyporus occidentalis (Basidiomycetes)
Schizophyllum commune (Basidiomycetes)
HYACINTHUS:
Stemphylium botryosum (Deuteromycetes)
Stemphylium ilicis (Deuteromycetes)
Stemphylium radicinum (Deuteromycetes)
Xanthomonas hyacinthi (Schizomycetes)
ILEX:
Physalospora ilicis (Ascomycetes)
IRIS:
Collectotrichum lilii (Deuteromycetes)
Ditylenchus sp. (undescribed) (Nematoda)
Fusarium oxysporum (Deuteromycetes)
Leptosphaeria heterospora (Ascomycetes)
Sclerotium delphinii (Deuteromycetes)
JUNIPERUS:
Gymnosporangium haraeanum (Promycetes)
Lophodermium juniperinum (Ascomycetes)
Pestalotia funerea (Deuteromycetes)
KERRIA:
Phoma japonica (Deuteromycetes)
LABURNUM:
Rabenhorstia rudis (Deuteromycetes)
LAELIA:
Diplodia paraphysaria (Deuteromycetes)
Pestalotia inconspicua (Deuteromycetes)
LAELIA—Continued
Pestalotia microspora (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
Physalospora camptospora (Ascomycetes)
Physalospora cattleyae (Ascomycetes)
Physalospora wildemaniana (Ascomycetes)
Uredo behnickiana (Promycetes)
LECYTHIS:
Diplodia theobromae (Deuteromycetes)
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LEUCOJUM:
Trichoderma lignorum (Deuteromycetes)
LEUCOTHOE:
Phyllosticta leucothoes (Deuteromycetes)
LILIACEAE:
Colletotrichum lilii (Deuteromycetes)
LILIUM:
Botrytis elliptica (Deuteromycetes)
Colletotrichum lilii (Deuteromycetes)
Gliomastix convoluta (Deuteromycetes)
LIMONIUM:
Uromyces limonii (Promycetes)
LYCOPERSICON:
Alternaria porri (Deuteromycetes)
Helminthosporium carposaprum (Deuteromycetes)
Hormodendron cladosporioides (Deuteromycetes)
Myrothecium roridum (Deuteromycetes)
Phytophthora parasitica (Phycomycetes)
"Tomato pox"
LYCORIS:
Rhizopus necans (Phycomycetes)
MAGNOLIA:
Karschia lignyota (Ascomycetes)
Phomopsis magnoliae (Deuteromycetes)
MAHONIA:
Cumminsiella sanguinea (Promycetes)
MALUS:
Elsinoe piri (Ascomycetes)
Leptothyrium pomi (Deuteromycetes)
Monilinia fructigena (Ascomycetes)
Mycosphaerella pomi (Ascomycetes)
MANGIFERA:
Pestalotia funerea (Deuteromycetes)
Phyllosticta mortoni (Deuteromycetes)
MANIHOT:
Diplodia theobromae (Deuteromycetes)
MEDICAGO:
Pseudopeziza medicaginis (Ascomycetes)
MUSA PARADISIACA:
Cercospora musae (Deuteromycetes)
Diplodia theobromae (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
MUSA PARADISIACA SAPIENTUM:
Cercospora musae (Deuteromycetes)
Leptosphaeria musarum (Ascomycetes)
Macrophoma musae (Deuteromycetes)
Memnoniella echinata (Deuteromycetes)
Stachybotrys subsimplex (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
MUSCARI:
Stemphylium ilicis (Deuteromycetes)
NARCISSUS:
Ditylenchus dipsaci (Nematoda)
Fusarium oxysporum f. *narcissi* (Deuteromycetes)
Gliomastix convoluta (Deuteromycetes)
Phyllosticta narcissi (Deuteromycetes)
NERIUM:
Cercospora neriella (Deuteromycetes)
Phyllosticta nerii (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
NYMPHAEA:
Diplodia theobromae (Deuteromycetes)
ODONTOGLOSSUM:
Cercospora angreci (Deuteromycetes)
Septoria posekensis (Deuteromycetes)
ONCIDIUM:
Diplodia paraphysaria (Deuteromycetes)
Septoria posekensis (Deuteromycetes)
Uredo behnickiana (Promycetes)
Uredo oncidii (Promycetes)
OPUNTIA:
Mycosphaerella opuntiae (Ascomycetes)
Phyllosticta concava (Deuteromycetes)
ORCHID:
Gloeosporium orchidearum (Deuteromycetes)
Periola hirsuta (Deuteromycetes)

ORNITHOGALUM:
Heterosporium ornithogali (Deuteromycetes)
Puccinia ornithogali-thyrsoides (Promycetes)
ORYZA:
Helminthosporium oryzae (Deuteromycetes)
Memnoniella echinata (Deuteromycetes)
Neovossia horrida (Promycetes)
Nigrospora sphaerica (Deuteromycetes)
Phaeosphaeria oryzae (Ascomycetes)
Phyllosticta glumarum (Deuteromycetes)
Pyrenochaeta oryzae (Deuteromycetes)
Septoria oryzae (Deuteromycetes)
Uromyces coronatus (Promycetes)
PAEONIA:
Monochaetia paeoniae (Deuteromycetes)
Pezizella lythri (Ascomycetes)
PALM:
Diplodia theobromae (Deuteromycetes)
Gloeosporium catechu (Deuteromycetes)
Pestalotia palmarum (Deuteromycetes)
PASPALUM:
Claviceps paspali (Ascomycetes)
PERSEA:
Pseudomonas syringae (Schizomycetes)
PHASEOLUS LUNATUS MACROCARPUS:
Cercospora canescens (Deuteromycetes)
Elsinoe phaseoli (Ascomycetes)
PHASEOLUS VULGARIS:
Hormodendron cladosporioides (Deuteromycetes)
Pseudomonas phaseolicola (Schizomycetes)
PHASEOLUS VULGARIS VAR.:
Isariopsis griseola (Deuteromycetes)
PHILODENDRON:
Diplodia theobromae (Deuteromycetes)
Mycosphaerella philodendri (Ascomycetes)
PHLOX:
Septoria divaricatae (Deuteromycetes)
PHOENIX:
Phomopsis phoenicola (Deuteromycetes)
PHRAGMITES:
Puccinia phragmitis (Promycetes)
PHYSALIS:
Ascochyta lycopersici (Deuteromycetes)
Colletotrichum phomoides (Deuteromycetes)
PINUS:
Coleosporium senecionis (Promycetes)
Naemacyclus niveus (Ascomycetes)
Pestalotia funerea (Deuteromycetes)
Pestalotia peregrina (Deuteromycetes)
Phoma pinicola (Deuteromycetes)
PISUM:
Ascochyta pisi (Deuteromycetes)
Colletotrichum pisi (Deuteromycetes)
Mycosphaerella pinodes (Ascomycetes)
Peronospora pisi (Phycomycetes)
Uromyces fabae (Promycetes)
PLUMERIA:
Coleosporium domingense (Promycetes)
POPULUS:
Marsonina populi (Deuteromycetes)
PROTEA:
Phaeosphaerella senniana (?) (Ascomycetes)
PRUNUS PERSICA:
Coryneum beijerincki (Deuteromycetes)
Monilinia fructigena (Ascomycetes)
PRUNUS SP. (cherry):
Cercospora circumscissa (Deuteromycetes)
Thecopsora areolata (Deuteromycetes)
PSIDIUM:
Botryosphaeria ribis (Ascomycetes)
Pestalotia psidii (Deuteromycetes)
PUERARIA:
Melanospora zamiae (Ascomycetes)
PUNICA:
Cytospora punica (Deuteromycetes)
PYRACANTHA:
Fusicladium pyracanthae (Deuteromycetes)
PYRUS:
Physalospora obtusa (Ascomycetes)
Septoria pyricola (Deuteromycetes)
RAPHANUS:
Aphanomyces raphani (Phycomycetes)
RHODODENDRON:
Cercospora handelii (Deuteromycetes)
Coniothyrium olivaceum (Deuteromycetes)
Coniothyrium rhododendri (Deuteromycetes)
Coryneum rhododendri (Deuteromycetes)
Diplodina eurhododendri (Deuteromycetes)
RHODODENDRON—Continued
Exobasidium vaccinii (Basidiomycetes)
Gloeosporium rhododendri (Deuteromycetes)
Lachnum virgineum (Ascomycetes)
Mycosphaerella clintoniana (Ascomycetes)
Mycosphaerella rhododendri (Ascomycetes)
Pestalotia macrotricha (Deuteromycetes)
Phyllosticta saccardoi (Deuteromycetes)
Pucciniastrum myrtilli (Promycetes)
Septoria azaleae (Deuteromycetes)
RIBES:
Diplodina grossulariae (Deuteromycetes)
ROSA:
Cercospora rosicola (Deuteromycetes)
Diplocarpon rosae (Ascomycetes)
Pezizella lythri (Ascomycetes)
Phragmidium disciflorum (Promycetes)
RUMEX:
Uromyces polygoni (Promycetes)
RUSCUS:
Leptosphaeria rusci (Ascomycetes)
Phyllosticta ruscicola (Deuteromycetes)
SALIX:
Cytospora ambiens (Deuteromycetes)
Cytospora chrysosperma (Deuteromycetes)
SECHIUM:
Mycosphaerella citrullina (Ascomycetes)
SINNINGIA:
Thielaviopsis basicola (Deuteromycetes)
SOIL:
Acrobeles ciliatus (Nematoda)
Heterodera goettingiana (Nematoda)
Heterodera punctata (Nematoda)
Heterodera rostochiensis (Nematoda)
Mononchus papillatus (Nematoda)
Tylenchorhynchus claytoni (Nematoda)
SOLANUM:
Gliomastix convoluta (Deuteromycetes)
Pseudomonas solanacearum (Schizomycetes)
SORBUS:
Phomopsis sorbicola (Deuteromycetes)
Venturia inaequalis var. *cinerascens* (Ascomycetes)
SORGHUM:
Cerebella andropogonis (Deuteromycetes)
Phoma insidiosa (Deuteromycetes)
Sorosporium reiliana (Promycetes)
SPARAXIS:
Pseudomonas marginata (Schizomycetes)
SPINACIA:
Peronospora effusa (Phycomycetes)
STACHYTARPHETA:
Puccinia urbaniana (Promycetes)
STANHOPEA:
Pestalotia conspicua (Deuteromycetes)
Physalospora camptospora (Ascomycetes)
Physalospora wildemaniana (Ascomycetes)
STENOLOBIUM:
Prospodium appendiculatum (Promycetes)
TAXUS:
Diplodia taxi (Deuteromycetes)
TILIA:
Schizophyllum commune (Basidiomycetes)
TRIFOLIUM:
Pseudopeziza trifolii (Ascomycetes)
Sclerotinia trifoliorum (Ascomycetes)
TRITICUM:
Anguina tritici (Nematoda)
Neovossia indica (Promycetes)
Puccinia glumarum (Promycetes)
Septoria nodorum (Deuteromycetes)
Stagonospora graminella (Deuteromycetes)
Ustilago tritici (Promycetes)
TRITONIA:
Botrytis gladiolorum (Deuteromycetes)
TULIPA:
Botrytis tulipae (Deuteromycetes)
Papulaspora parasitica (Deuteromycetes)
VACCINIUM:
Lophodermium oxycocci (Ascomycetes)
VANDA:
Diplodia paraphysaria (Deuteromycetes)
Gloeosporium affine (?) (Deuteromycetes)
Gloeosporium beyrodtii (Deuteromycetes)
Pestalotia conspicua (Deuteromycetes)
VIOLA:
Puccinia violae (Promycetes)
VITIS:
Septoria ampelina (Deuteromycetes)

WISTERIA:
Phomopsis sepositia (Deuteromycetes)
ZEA:
Nigrospora sphaerica (Deuteromycetes)
ZINGIBER:
Gliomastix convoluta (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
Memnoniella echinata (Deuteromycetes)
ZIZANIA:
Uromyces coronatus (Promycetes)
Ustilago esculenta (Promycetes)

Hosts unknown

CEREAL:
Ustilago tritici (Promycetes)

Countries of origin and diseases

AFGHANISTAN:
Anguina tritici
Sclerotinia trifoliorum
AITUTAKI ISLAND:
Diaporthe citri
ALGERIA:
Septoria limonum
ARGENTINA:
Alternaria citri
Cancrosis "B"
Elsinoe australis
Sorosporium reiliana
AUSTRALIA:
Alternaria dianthi
Gliomastix penicilloides
Gloeosporium affine
Phoma citricarpa
Physalospora orchidearum
Septoria dianthi
Ustilago allii
AZORES:
Heterodera goettingiana
Phomopsis phoenicola
Septoria dianthi
BARBADOS:
Phomopsis capsici
BELGIUM:
Cercospora angreci
Cercospora handelii
Collectotrichum omnivorum
Coryneum beijerincki
Fusicoccum galericulatum
Mycosphaerella clintoniana
Puccinia cichorii
Sclerotinia minor
Septoria azaleae
Thielaviopsis basicola
BERMUDA:
Cercospora neriella
Phyllosticta codiaecola
Phyllosticta nerii
Septoria chrysanthemi
Stemphylium botryosum
BRAZIL:
Alternaria dianthi
Alternaria gypsophilae
Colletotrichum lagenarium
Cytospora chrysosperma
Diaporthe citri
Elsinoe australis
Polyporus occidentalis
Schizophyllum commune
Septobasidium pseudopedicellatum
Septoria dianthi
Septoria posekensis
Uredo behnickiana
BRITISH COLUMBIA
Lophodermium oxycocci
BRITISH GUIANA:
Diplodia theobromae
BRITISH WEST INDIES:
Gloeosporium orchidearum
CANADA:
Colletotrichum lilii
Fusarium oxysporum f. *gladioli*
Phoma pinicola
CANAL ZONE:
Cercospora musae
Helminthosporium oryzae
CANAL ZONE—Continued
Pestalotia palmarum
CANTON ISLAND:
Phoma citricarpa
CEYLON:
Xanthomonas citri
CHILE:
Puccinia phragmitis
CHINA:
Botrytis elliptica
Colletotrichum lilii
Gliomastix convoluta
Leptothyrium pomi
Melanospora zamiae
Memnoniella echinata
Phaeosphaeria oryzae
Phoma citricarpa
Rhizopus necans
Septoria bambusella
Stilbum incarnatum
Xanthomonas citri
COLOMBIA:
Cercospora musae
Leptosphaeria musarum
Nigrospora sphaerica
Physalospora wildemaniana
Stachylidium theobromae
COSTA RICA:
Cercospora musae
Memnoniella echinata
Metasphaeria caraguata
Stachylidium theobromae
CUBA:
Cercospora malayensis
Curvularia lunata
Diplodia theobromae
Elsinoe phaseoli
Gloeosporium piperatum
Phomopsis capsici
Stachylidium theobromae
CYPRUS:
Alternaria citri
CZECHOSLOVAKIA:
Ustilago perennans
DENMARK:
Aphelenchus aderholdi
Coleosporium senecionis
Diplodina grossulariae
Heterodera goettingiana
Naemacyclus niveus
Pestalotia peregrina
Stemphyllium botryosum
DOMINICAN REPUBLIC:
Stachylidium theobromae
ECUADOR:
Stachylidium theobromae
EGYPT:
Hormodendron cladosporioides
Phragmidium disciflorum
Xanthomonas citri
ENGLAND:
Ascochyta pisi
Botrytis gladiolorum
Claviceps microcephala
Coniothyrium olivaceum
Cytospora ambiens
Gliomastix convoluta
Gloeosporium rhododendri
Helminthosporium avenae
Heterodera punctata
Heterodera rostochiensis
Mycosphaerella clintoniana
Mycosphaerella fragariae
Pestalotia macrotricha
Pezizella lythri
Phyllosticta camelliae
Phyllosticta saccardoi
Plasmodiophora brassicae
Puccinia phragmitis
Pucciniastrum myrtilli
Septoria azaleae
Septoria chrysanthemi
Septoria divaricatae
Stemphylium radicinum
Vermicularia dematium
FIJI ISLANDS:
Memnoniella echinata

FINLAND:
Thecopsora areolata
FORMOSA:
Phoma citricarpa
FRANCE:
Camellia yellow-spot virus
Cumminsiella sanguinea
Cytospora dahliae
Gliomastix convoluta
Leptothyrium pomi
Pezizella lythri
Puccinia allii
Puccinia phragmitis
Sclerotium delphinii
Stemphylium botryosum
GERMANY:
Acrobeles ciliatus
Aphelenchus aderholdi
Aphelenchus avenae
Coryneum beijerincki
Diplodina grossulariae
Fusarium oxysporum f. *gladioli*
Heterodera rostochiensis
Leptosphaeria berberidis
Leptothyrium berberidis
Marsonina populi
Physalospora obtusa
Pseudopeziza medicaginis
Stagonospora berberidina
GREECE:
Sclerotinia kerneri
GUAM:
Botryosphaeria ribis
Gloeosporium catechu
GUATEMALA:
Cercospora musae
Cercospora rosicola
Colletotrichum lilii
Cumminsiella sanguinea
Diplodia theobromae
Eutypella bambusina
Leptosphaeria musarum
Nigrospora sphaerica
Phyllachora engleri
Phyllosticta laeliae
Stachylidium theobromae
Uredo anthurii
HAITI:
Mycosphaerella citrullina
HAWAII:
Exobasidium vaccinii
Helminthosporium oryzae
Memnoniella echinata
Phyllosticta draconis
Uromyces alyxiae
HONDURAS:
Cercospora musae
Diplodia theobromae
Stachylidium theobromae
INDIA:
Chaetomium indicum
Colletotrichum lilii
Diplodia paraphysaria
Gloeosporium affine (?)
Gloeosporium beyrodtii
Macrophoma musae
Neovossia indica
Papularia sphaerosperma
Phoma insidiosa
Pyrenochaeta oryzae
Septoria epipactidis (?)
Septoria nodorum
Septoria posekensis
Sorosporium reiliana
Stagonospora graminella
Uromyces fabae
Xanthomonas citri
IRAN:
Anguina tritici
IRAQ:
Anguina tritici
IRELAND:
Heterodera rostochiensis
Pseudopeziza trifolii
ITALY:
Cercospora circumscissa
Cytospora ceratophora
Leptosphaeria rusci
ITALY—Continued
Mycosphaerella maculiformis
Mycosphaerella pomi
Pestalotia nucicola
Phragmidium disciflorum
Phyllosticta ruscicola
Pseudomonas marginata
Puccinia porri
Schizophyllum commune
Sclerotium cepivorum
Septoria castanicola
Septoria citri
Septoria cyclaminis
Septoria pyricola
Septoria unedonis
Tritirachium dependens
Ustilago nuda
Ustilago tritici
Venturia inaequalis var. *cinerascens*
JAMAICA:
Diplodia theobromae
Phytophthora parasitica
JAPAN:
Botrytis elliptica
Colletotrichum lilii
Diplodia taxi
Gliomastix convoluta
Gymnosporangium haraeanum
Helminthosporium oryzae
Lophodermium juniperinum
Memnoniella echinata
Monochaetia paeoniae
Mycosphaerella allicina
Nigrospora sphaerica
Pestalotia cryptomeriae
Phaeosphaeria oryzae
Phoma citricarpa
Phoma japonica
Puccinia chrysanthemi
Puccinia glumarum
Septoria leucanthemi
Septoria oryzae
Uredo autumnalis
Uromyces coronatus
Uromyces lespedezae-procumbentis
Ustilago esculenta
Xanthomonas citri
KENYA:
Phoma insidiosa
KOREA:
Physalospora ilicis
LIBERIA:
Cerebella andropogonis
MEXICO
Alternaria porri
Aphanomyces raphani
Ascochyta lycopersici
Ascochyta pisi
Cercospora musae
Cercospora rosicola
Colletotrichum agaves
Colletotrichum phomoides
Colletotrichum pisi
Curvularia lunata
Cytospora punica
Diplocarpon rosae
Diplodia paraphysaria
Ditylenchus dipsaci
Helminthosporium carposaprum
Helminthosporium oryzae
Heterosporium allii
Hormodendron cladosporioides
Leptosphaeria opuntiae
Mycosphaerella citrullina
Mycosphaerella opuntiae
Mycosphaerella philodendri
Mycosphaerella pinodes
Myrothecium roridum
Omphalia flavida
Orbilia rubella
Peronospora effusa
Pestalotia funerea
Pestalotia inconspicua
Pestalotia microspora
Pestalotia palmarum
Pestalotia psidii
Phyllosticta concava

MEXICO—Continued
Phyllosticta glumarum
Phyllosticta laeliae
Phyllosticta mortoni
Physalospora camptospora
Physalospora cattleyae
Physalospora wildemaniana
Phytophthora cactorum
Prospodium appendiculatum
Pseudomonas phaseolicola
Pseudomonas solanacearum
Pseudomonas syringae
Septoria ampelina
Septoria leucanthemi
Septoria posekensis
Sphaceloma fawcettii
Stachylidium theobromae
Stagonospora gigantea
Stemphylium botryosum
"Tomato pox"
Tylenchus putrefaciens
Uredo behnickiana
Uredo oncidii
Uromyces compactus
Xanthomonas vesicatoria
NETHERLANDS:
Acrobeles ciliatus
Ascochyta pisi
Botrytis galanthina
Botrytis gladiolorum
Botrytis tulipae
Coleosporium campanulae
Coniothyrium hellebori
Coniothyrium rhododendr
Coryneum rhododendri
Ditylenchus dipsaci
Ditylenchus sp. (undescribed)
Fusarium ozysporum
Fusarium ozysporum f. *gladioli*
Fusarium ozysporum f. *narcissi*
Fusicladium pyracanthae
Gliomastix convoluta
Karschia lignyota
Lachnum virgineum
Leptosphaeria heterospora
Monilinia fructigena
Mononchus papillatus
Mycosphaerella rhododendr
Papulaspora parasitica
Pestalotia macrotricha
Phomopsis magnoliae
Phomopsis sepositа
Phomopsis sorbicola
Phyllosticta aucubicola
Phyllosticta leucothoes
Phyllosticta narcissi
Pseudomonas marginata
Puccinia phragmitis
Rabenhorstia rudis
Septoria azaleae
Septoria chrysanthemi
Stemphylium botryosum
Stemphylium ilicis
Stemphylium radicinum
Thielaviopsis basicola
Trichoderma lignorum
Tylenchorhynchus claytoni
Urocystis colchici
Uromyces polygoni
Ustilago tritici
Volutella buxi
Volutella roseolum
Xanthomonas hyacinthi
NEW ZEALAND:
Claviceps purpurea
NICARAGUA:
Cercospora musae
NORWAY:
Diplodina eurhododendri
ORIENT:
Xanthomonas citr
PAKISTAN:
Macrophoma musae
PANAMA:
Cercospora musae
Stachybotrys subsimplex
PANAMA—Continued
Stachylidium theobromae
Stemphylium botryosum
PERU:
Botrytis elliptica
Colletotrichum pisi
Pestalotia conspicua
PHILIPPINES:
Colletotrichum graminicolum
Macrophoma musae
Xanthomonas citri
POLAND:
Elsinoe piri
PORTUGAL:
Ascochyta pisi
Monilinia fructigena
Nigrospora sphaerica
Peronospora pisi
Puccinia arenariae
Septoria citri
Septoria dianthi
Stemphylium botryosum
PUERTO RICO:
Botryosphaeria ribis
Cercospora canescens
Cercospora musae
Colletotrichum cajani
Elsinoe phaseoli
Isariopsis griseola
Puccinia urbaniana
Stachylidium theobromae
Vermicularia dematium
RUMANIA:
Sorosporium reiliana
ST. LUCIA:
Pestalotia palmarum
SALVADOR:
Cercospora musae
SIAM:
Pestalotia conspicua
Xanthomonas citri
SIERRA LEONE:
Stachylidium theobromae
SOUTH AMERICA:
Pestalotia funerea
SPAIN:
Physalospora obtusa
STRAITS SETTLEMENTS
Xanthomonas citri
SWEDEN:
Curvularia lunata
Cytospora chrysosperma
Puccinia violae
SWITZERLAND:
Septoria cyclaminis
Uromyces limonii
TRINIDAD:
Diplocarpon rosae
Uredo oncidii
TURKEY:
Anguina tritici
Claviceps paspali
Claviceps purpurea
Puccinia glumarum
UNION OF SOUTH AFRICA
Alternaria citri
Ascochyta haworthiae
Heterosporium ornithogali
Laestadia rouxii
Phaeosphaerella senniana
Phoma citricarpa
Pseudomonas marginata
Puccinia ornithogali–thyrsoides
UNKNOWN:
Neovossia horrida
Puccinia violae
Xanthomonas citri
URUGUAY:
Ditylenchus destructor (?)
Elsinoe australis
VENEZUELA:
Cercospora fourcroyae
Coleosporium domingense
Periola hirsuta
Pestalotia conspicua
Physalospora cattleyae

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